EYEWITNESS VISUAL DICTIONARIES

THE VISUAL DICTIONARY *of* SPECIAL MILITARY FORCES

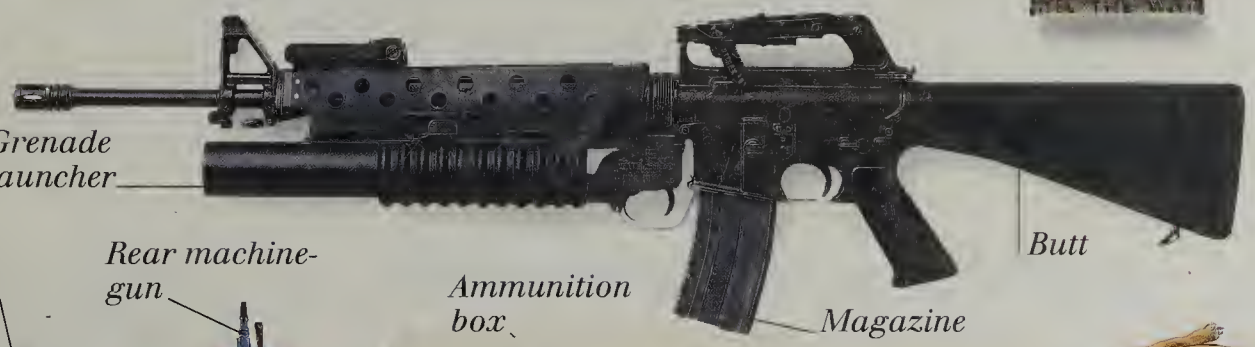
FRENCH PARACHUTISTS' BADGE

SNIPER'S CAMOUFLAGE

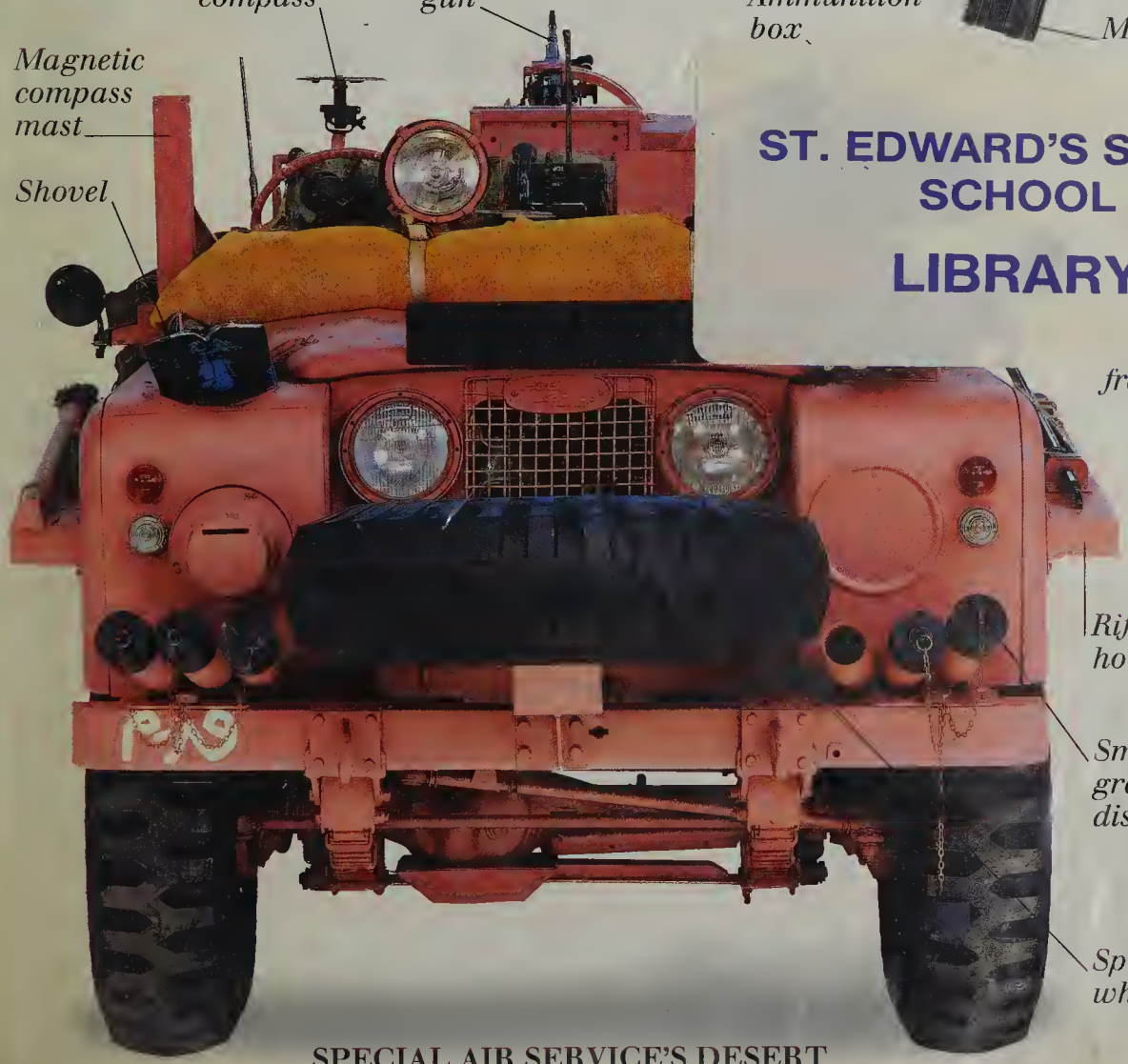
US PARACHUTISTS' BADGE

FRENCH FOREIGN LEGION'S BADGE

US RIFLE AND GRENADE LAUNCHER



BRITISH PARADROPPABLE MOTORCYCLE



SPECIAL AIR SERVICE'S DESERT LAND ROVER (PINK PANTHER)

ST. EDWARD'S SENIOR SCHOOL
LIBRARY

CROSSBOW BOLT

US KNUCKLEDUSTER KNIFE

EYEWITNESS VISUAL DICTIONARIES

THE VISUAL DICTIONARY *of* SPECIAL MILITARY FORCES

Here is an entirely new kind of dictionary – one that is packed with superb, full-colour photographs and illustrations, and with a multitude of specialist terms.

The **VISUAL DICTIONARY OF SPECIAL MILITARY FORCES** will give you instant access to the specialist vocabulary relating to equipment used by the world's special military forces.

If you know what an item of equipment looks like but don't know its name, then turn to the labels around the illustrations. If you know a term relating to special military forces' equipment but don't know what it refers to, then the comprehensive index will direct you to the illustration that bears the name.

This volume forms part of a series which, like the Dorling Kindersley *Eyewitness Guides*, builds thematically into a comprehensive and exquisitely illustrated treasure trove of words and pictures providing high quality information for readers of all ages.

£9.99

ST. EDWARD'S

SENIOR SCHOOL LIBRARY

ST. EDWARD'S SENIOR
SCHOOL LIBRARY

This book is to be returned on or before
the last date stamped below.

30. JAN. 1995
-6. JUN 1995
9. OCT. 1995
12. FEB. 1996
25 APR 1996
24. JUL 1996
10. 1997
24.
24. 1997
10. 199.
-2. MAY 1997

ACC NO : 07282-6
TITLE : VISUAL DICTIONARY OF
SPECIAL MILITARY FORCES
AUTHOR : TUCKER L
DDC(1) : 355.4

Digitized by the Internet Archive
in 2020 with funding from
Kahle/Austin Foundation

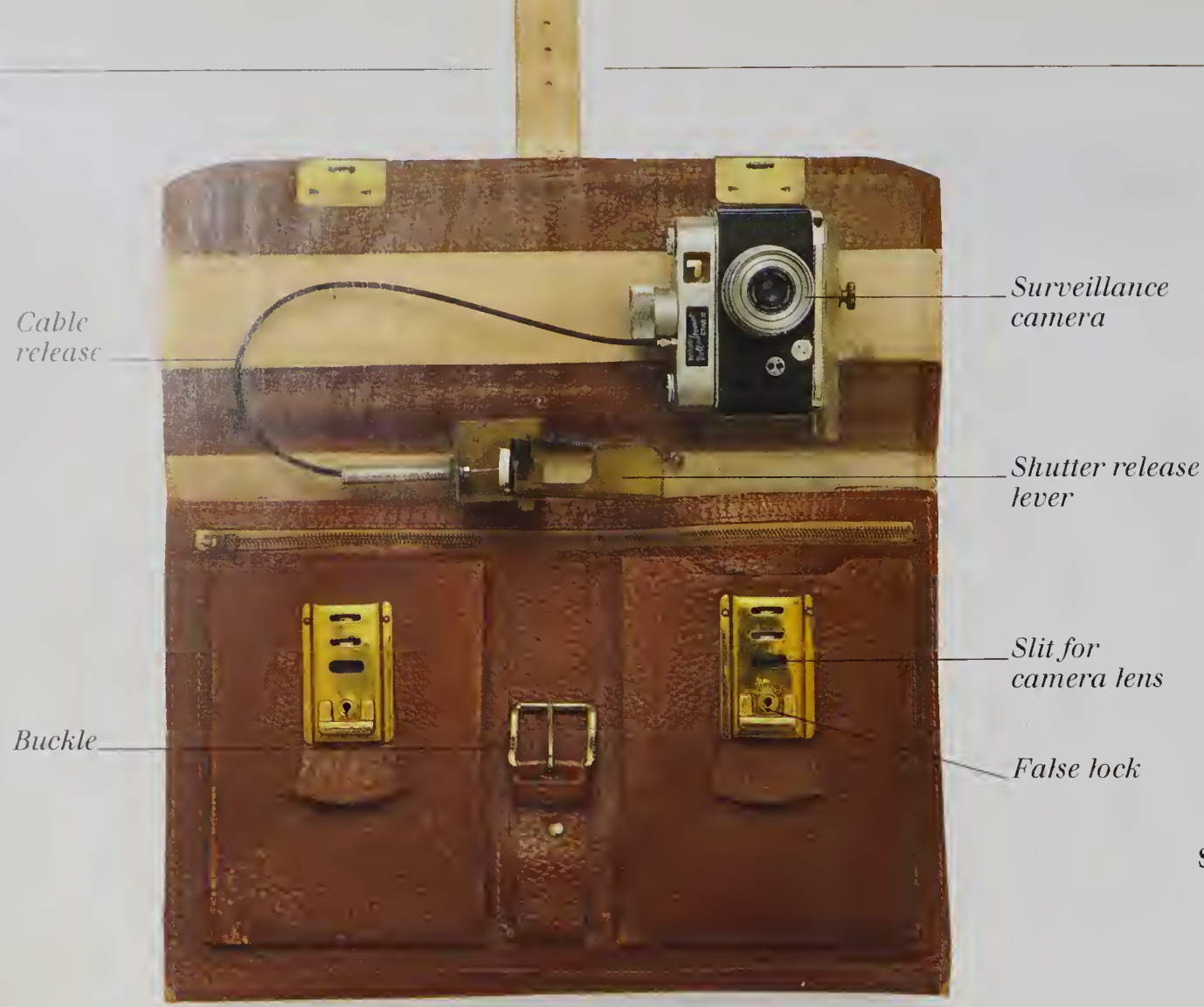
https://archive.org/details/visualdictionary0000unse_d2u6

EYEWITNESS VISUAL DICTIONARIES

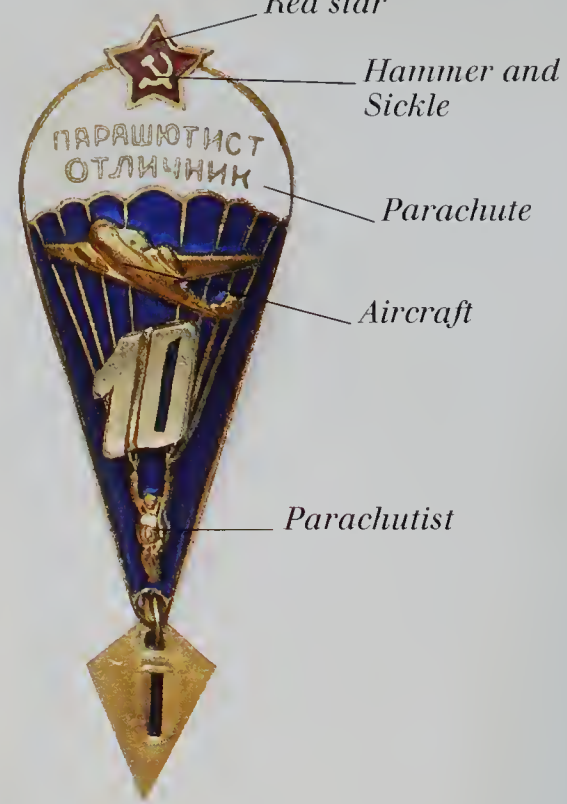
THE VISUAL DICTIONARY *of*

SPECIAL MILITARY FORCES

BRITISH FIGHTING KNIFE, WORLD WAR II (1939-1945)



US PHOTO-SURVEILLANCE BRIEFCASE, 1960s



SOVIET ARMY ADVANCED PARACHUTISTS' BADGE, 1970s

BRITISH DESERT GOGGLES, WORLD WAR II (1939-1945)

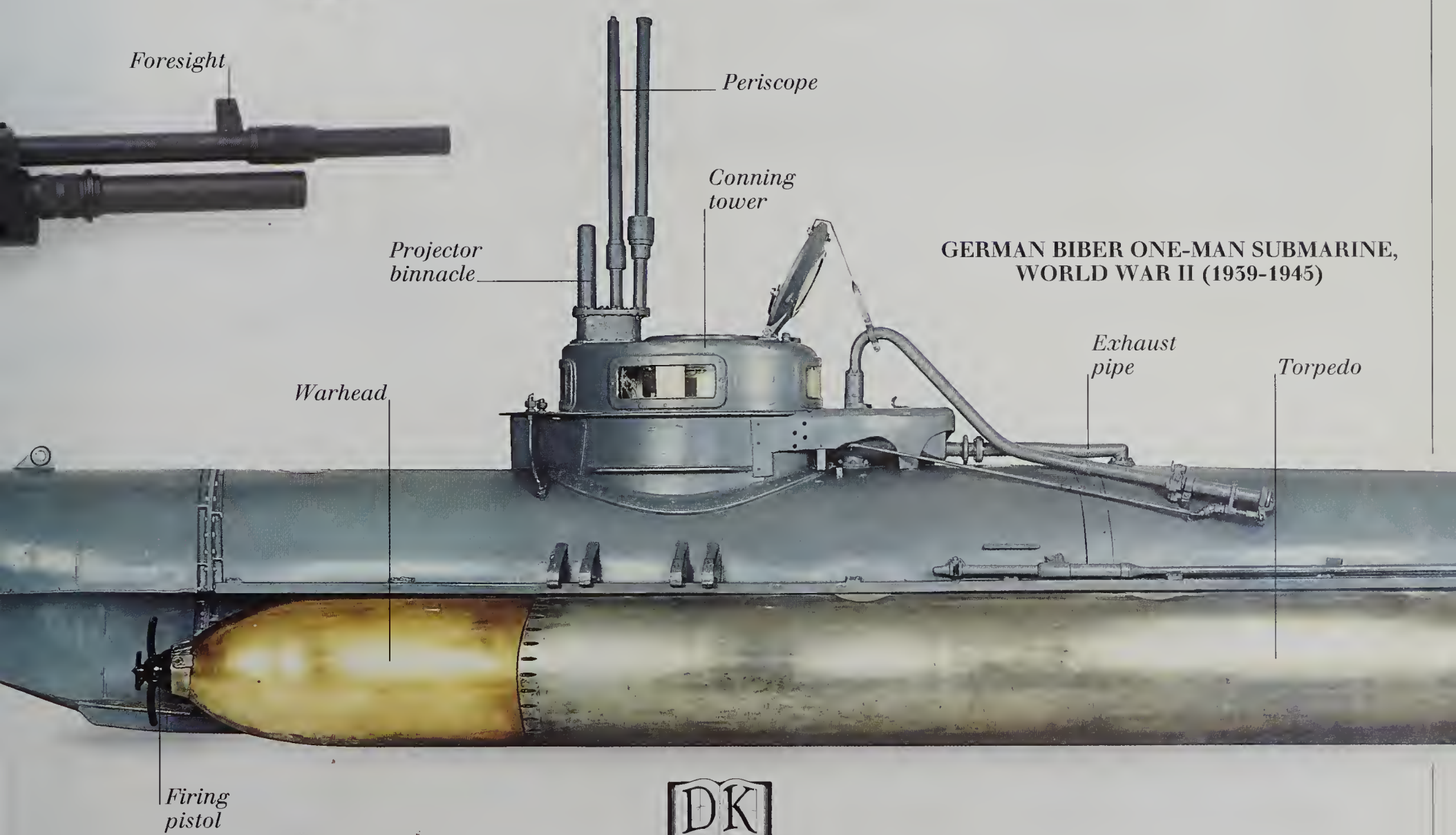
ITALIAN FRANCHI 12-BORE S.P.A.S. (SPECIAL PURPOSE AUTOMATIC SHOTGUN), 1990s

US PARACHUTISTS' .30 IN M1A1 CARBINE, 1940s-1950s

EYEWITNESS VISUAL DICTIONARIES

THE VISUAL DICTIONARY *of*

SPECIAL MILITARY FORCES



GERMAN BIBER ONE-MAN SUBMARINE, WORLD WAR II (1939-1945)

DORLING KINDERSLEY
LONDON • NEW YORK • STUTTGART

A DORLING KINDERSLEY BOOK

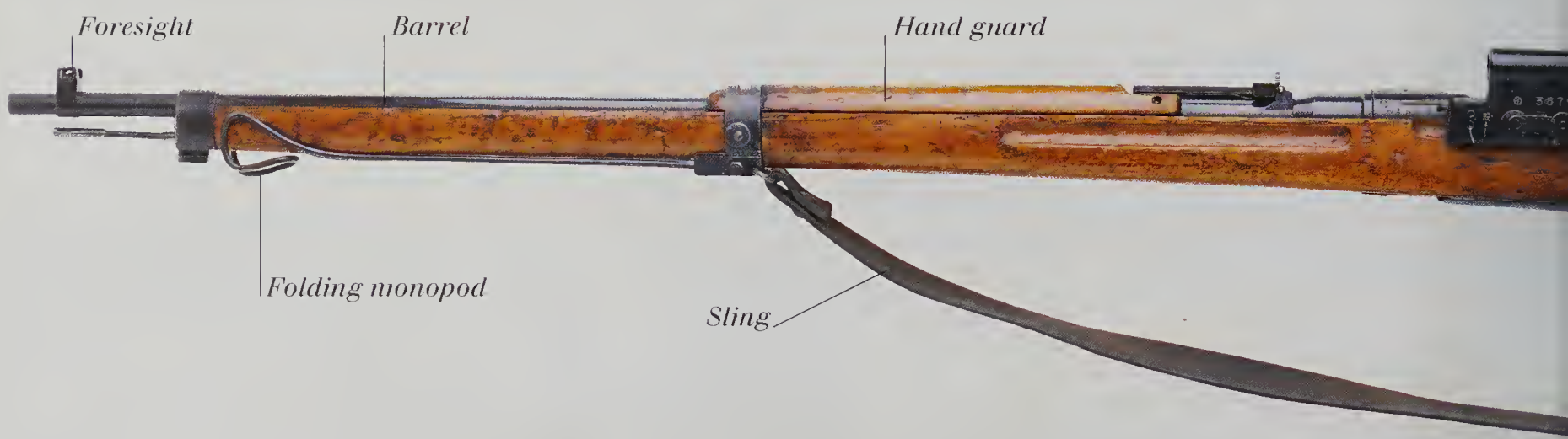
Project Art Editor Bryn Walls
Designer Paul Calver

Project Editor Louise Tucker
Consultant Editors Dr Richard Holmes, Dr John Bullen, Paul Cornish, Adrian Gilbert

Managing Art Editor Stephen Knowlden
Senior Editor Martyn Page
Managing Editor Ruth Midgley

Photography Geoff Dann, Dave Rudkin, Tim Ridley, Bruce Chisholm
Illustrations Mick Gillah, Simone End
Production Hilary Stephens

US .22 in PIPE PISTOL, WORLD WAR II (1939-1945)



This book is dedicated to the memory of Charles Fraser-Smith, "Q"

First Published in Great Britain in 1993
by Dorling Kindersley Limited,
9 Henrietta Street, London WC2E 8PS

Copyright © 1993 Dorling Kindersley Limited, London

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the copyright owner.

A CIP catalogue record for this book is available from the British Library

ISBN 0-7513-1013-1

Reproduced by Colourscan, Singapore
Printed and bound by Arnoldo Mondadori, Verona, Italy

Contents

Military Intelligence 6

Wartime Secret Agents 8

Concealed Weapons 14

Desert Forces 16

Covert Amphibious Forces 18

Marines 20

Subaqua Forces 22

Parachutists 24

Mountain Forces 28

Arctic Forces 30

Snipers 32

Special Military Vehicles 34

Military Surveillance 36

Espionage 38

Sabotage 42

Counter-revolutionary Units 44

Military Communications 46

Encoding and Decoding 50

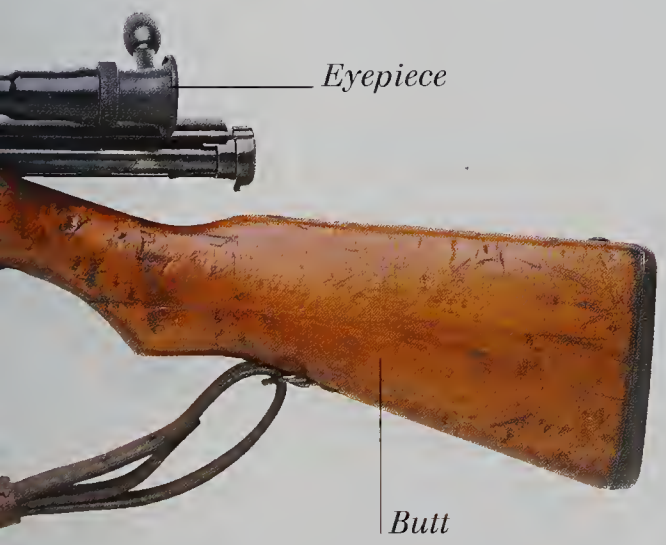
Special Forces' Weapons 52

Escape and Survival 56

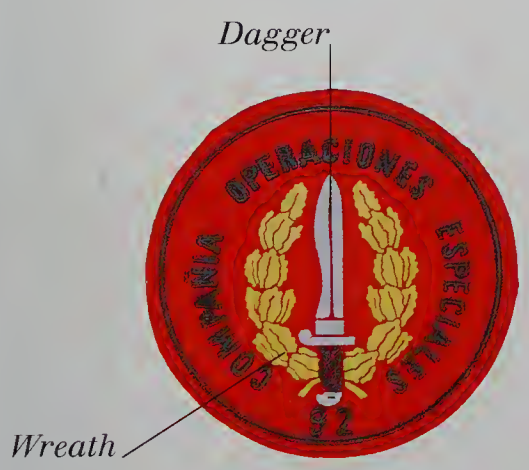
Index 60

Acknowledgments 64

BRITISH SHOULDER HOLSTER WITH AUTOMATIC PISTOL, WORLD WAR II (1939-1945)



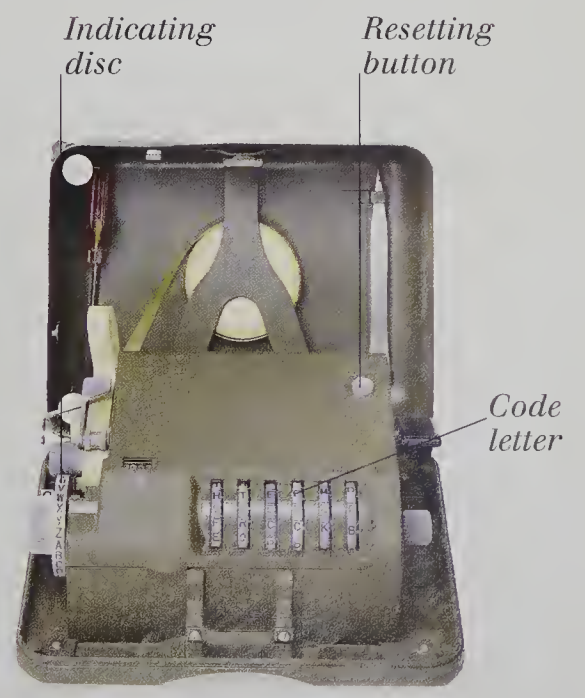
JAPANESE 6.5 MM TYPE 97 SNIPER'S RIFLE, c.1937



SPANISH ARMY SPECIAL FORCES' BADGE, 1990s

FRENCH MARINE PARACHUTISTS' BADGE, 1970s

FRENCH PARACHUTISTS' EQUIPMENT, 1970s

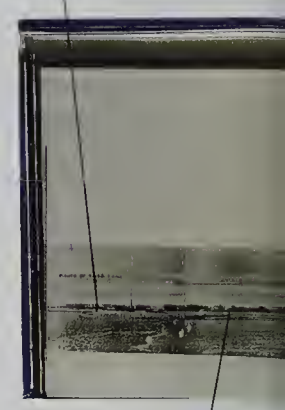


US M-209-B CIPHER MACHINE, WORLD WAR II (1939-1945)

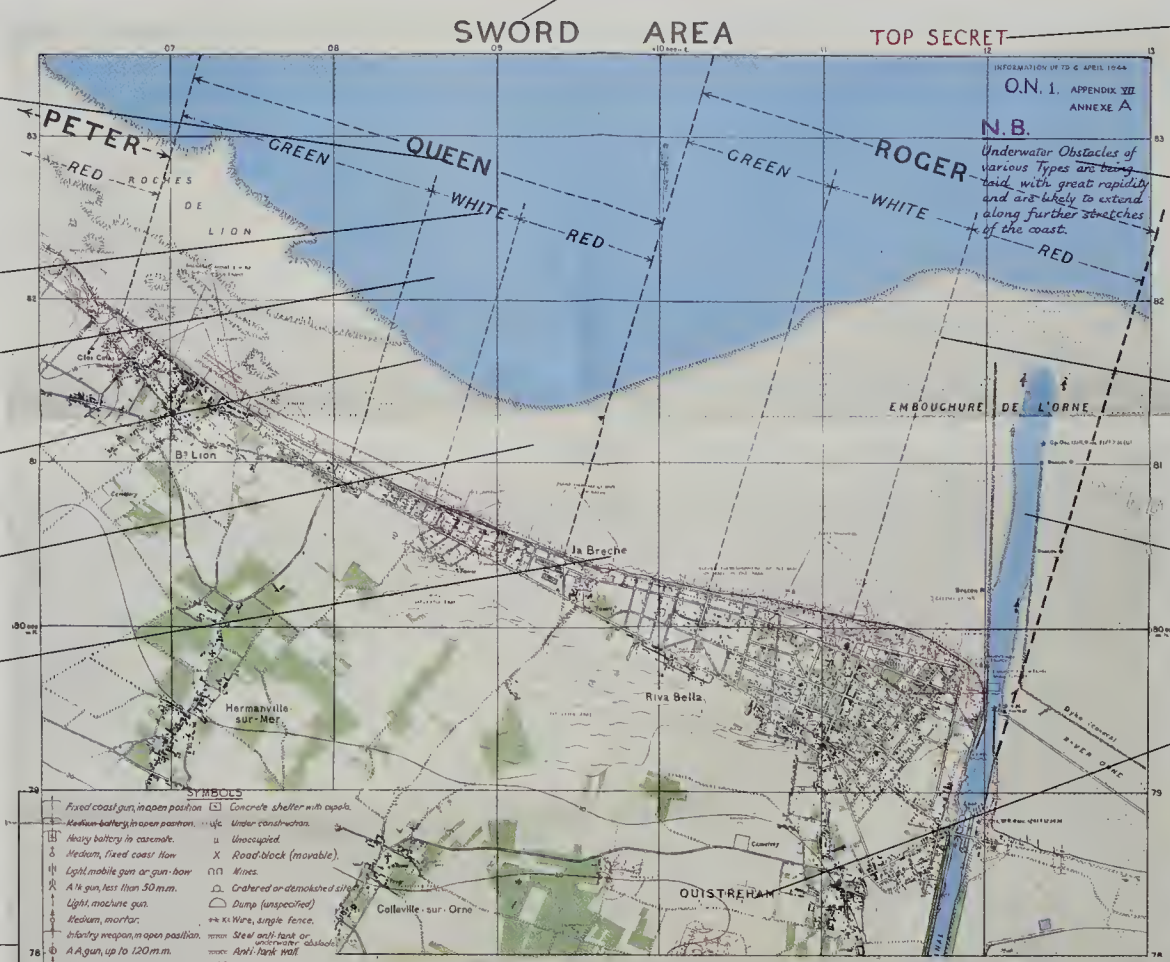
Military intelligence

POSTCARDS OF NORMANDY, FRANCE, 1930s–1940s

MILITARY INTELLIGENCE INVOLVES GATHERING and analysing information that may be helpful in planning military operations. Intelligence may be collected from many sources, including secret documents obtained by agents working for intelligence agencies, aerial photographs taken by reconnaissance aircraft, and even postcards and photographs of enemy territory sent in by the general public. During World War II, military intelligence provided information for the Allies to begin the liberation of German-occupied Europe in the D-Day landings on the Normandy coastline of France. Aerial photographs showed the exact positions of the German troops and of the obstacles they had placed on the beaches to prevent a seaborne invasion. Using these photographs, together with maps and other information, detailed briefing models of the landing areas on the Normandy beaches were made so that the Allied commanders were familiar with the area before launching their troops.



MAP OF "SWORD" BEACH D-DAY LANDING AREA, NORMANDY, FRANCE, APRIL 1944



"Sword", the code-name for one of five beaches designated by the Allies for the D-Day landings

"Top secret", indicating classified information

"Queen", the code-name for a section of "Sword" beach

"White", the code-name for a subsection of beach

Warning that underwater obstacles were being laid by the Germans

Sea

Coastline

Beach

La Brèche

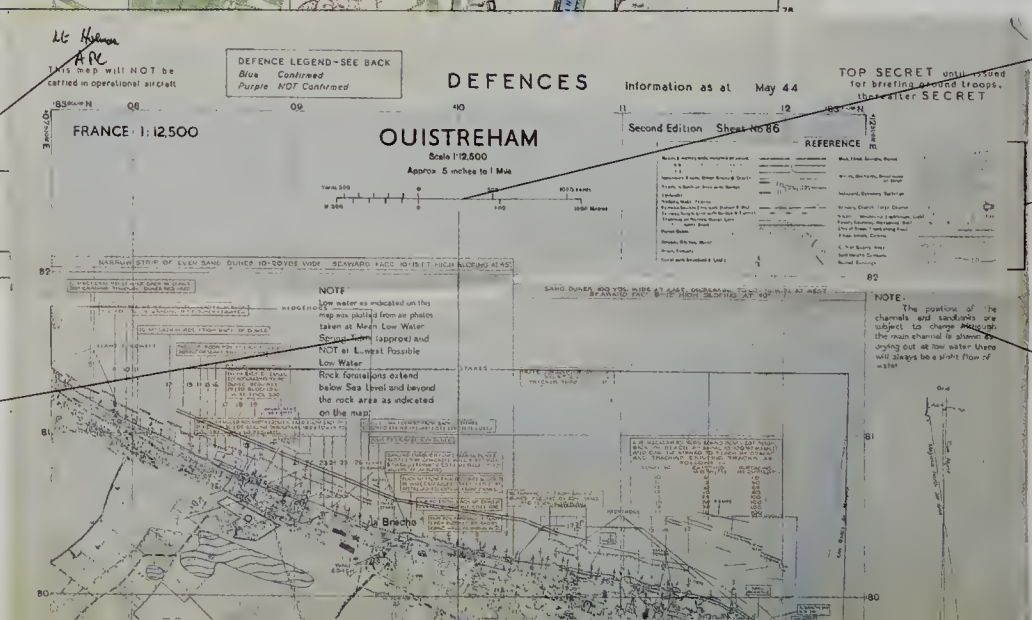
Line designating subdivision of beaches

River Orne

Ouistreham

Key to map symbols

MAP OF OUISTREHAM AREA OF "SWORD" BEACH, NORMANDY, FRANCE, MAY 1944



Scale bar

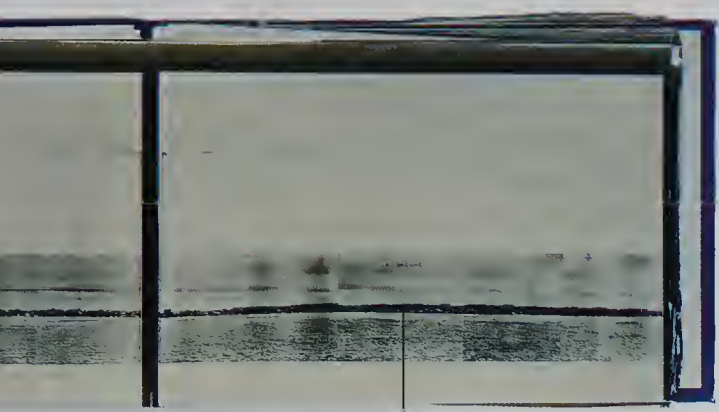
Key to map symbols

Owner of map (Lieutenant D. Holman)

Note about sea levels

Note about channels and sandbanks

COMPOSITE PANORAMA OF COASTLINE OF "SWORD" BEACH, NORMANDY, FRANCE, 1944

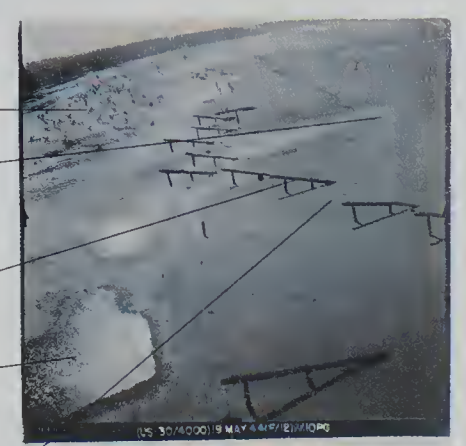


La Brèche

AERIAL PHOTOGRAPHS OF COASTLINE OF FRANCE, MARCH–MAY 1944

Inland France
Road
Fields
Buildings
Beach
Sea

HIGH-LEVEL OVERHEAD AERIAL PHOTOGRAPH



Jagged steel obstacles ("hedgehogs")
Beach
Stakes driven into beach
Sea
Marks made by intelligence officers to indicate where Germans may place mines

LOW-LEVEL OBLIQUE AERIAL PHOTOGRAPH

BRIEFING MODEL OF SECTION OF D-DAY LANDING BEACH, NORMANDY, FRANCE, 1944

Beach
Anti-tank ditch
Building
Wood
Minefield
Minefield
Railway line
Road
Minefield (unconfirmed)
Label indicating that the windows of buildings are bricked-up in this area, showing that an invasion may have been expected here
Label indicating sea wall
Designated beach sector
Label indicating sea wall
Label indicating gaps in sea wall
Label indicating houses that have been fortified by the Germans
Code for subdivision of beach into "red" area
Code for subdivision of beach into "white" area
Sea

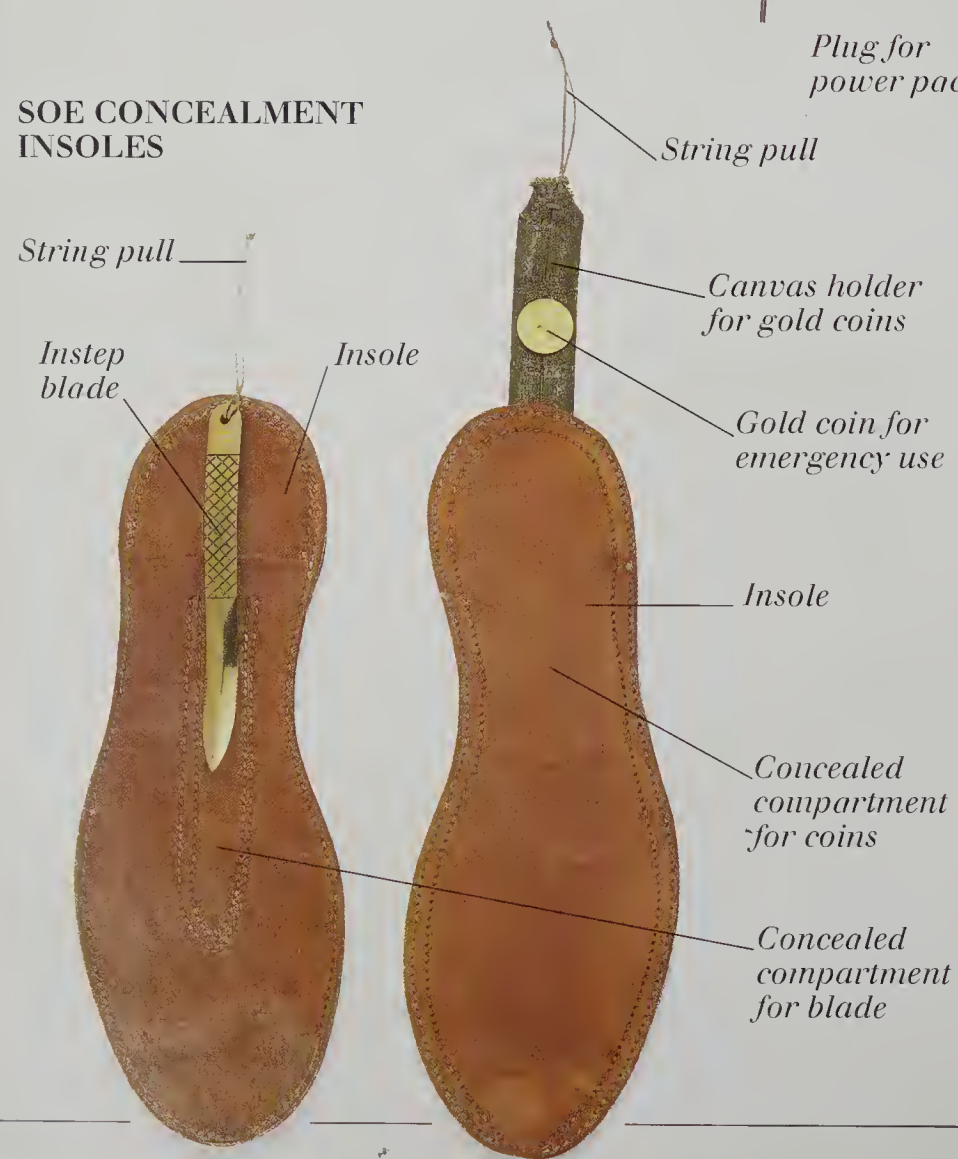
Wartime secret agents 1

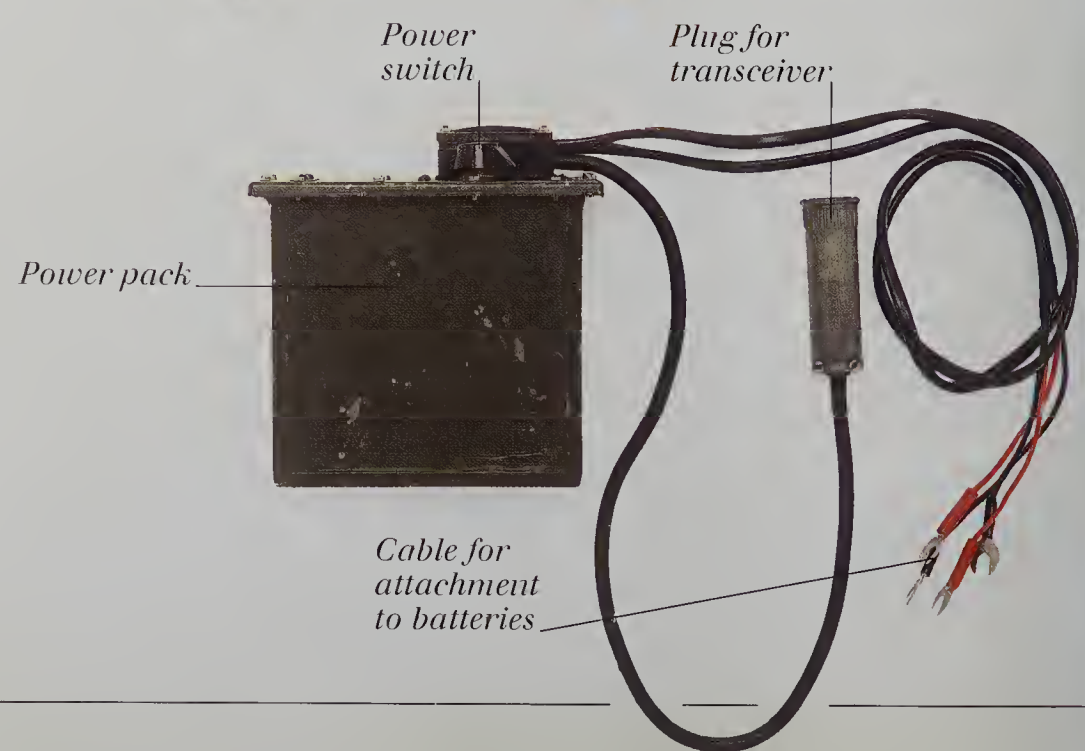
During World War II, hundreds of secret agents were parachuted behind enemy lines to support and coordinate local resistance groups. The British SOE (Special Operations Executive) and the American OSS (Office of Strategic Services) were established to train and equip the agents selected for such missions. Aircraft carrying the agents and their equipment were guided to safe dropping zones by another agent on the ground, who communicated with the pilot using a portable transceiver, such as the S-phone. Other transceivers, often disguised as suitcases, were used to maintain contact with home base (see pp. 10-11). When they went on secret missions, agents were often armed with silent weapons, such as knives or silenced pistols. Agents were also equipped with escape aids, such as compasses and maps, for use if they were in danger of being captured and had to flee. These items were usually hidden in secret compartments in various everyday objects, such as cigarette lighters and fountain pens (see pp. 12-13).

SOE LIGHTS FOR GUIDING AIRCRAFT

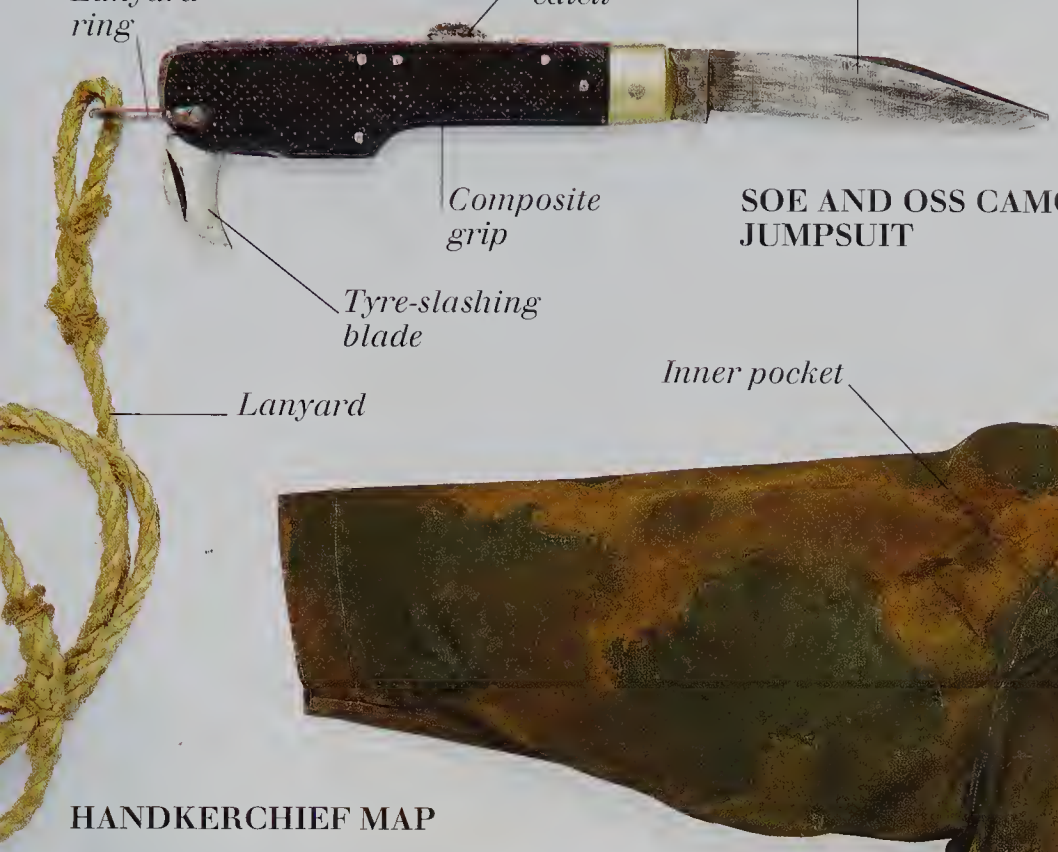
SOE TRANSCEIVER (S-PHONE) MK IV

SOE CONCEALMENT INSOLES



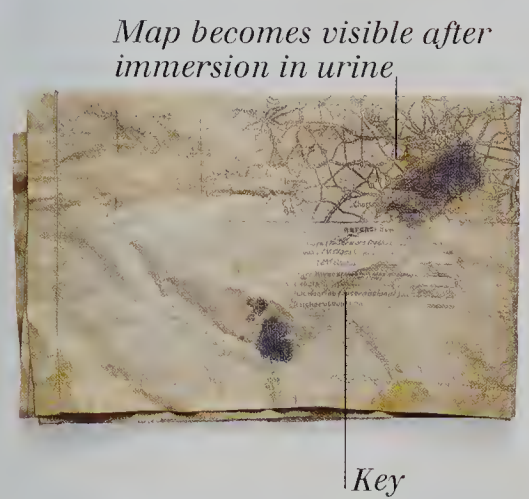


SOE SABOTEUR'S KNIFE



SOE AND OSS CAMOUFLAGE JUMPSUIT

HANDKERCHIEF MAP



SOE SHOULDER HOLSTER WITH .32 IN COLT AUTOMATIC PISTOL

Wartime secret agents 2

SOE AND OSS SPECIAL FORCES' BADGE

Initials of Special Forces

Wing

OSS "BEANO" GRENADE

Secondary arming mechanism and fuse

Primary safety ring

Grenade body

FALSE GERMAN IDENTIFICATION DOCUMENT MADE BY OSS

Identification number

Expiry date

Surname

Forenames

Date of birth

Place of birth

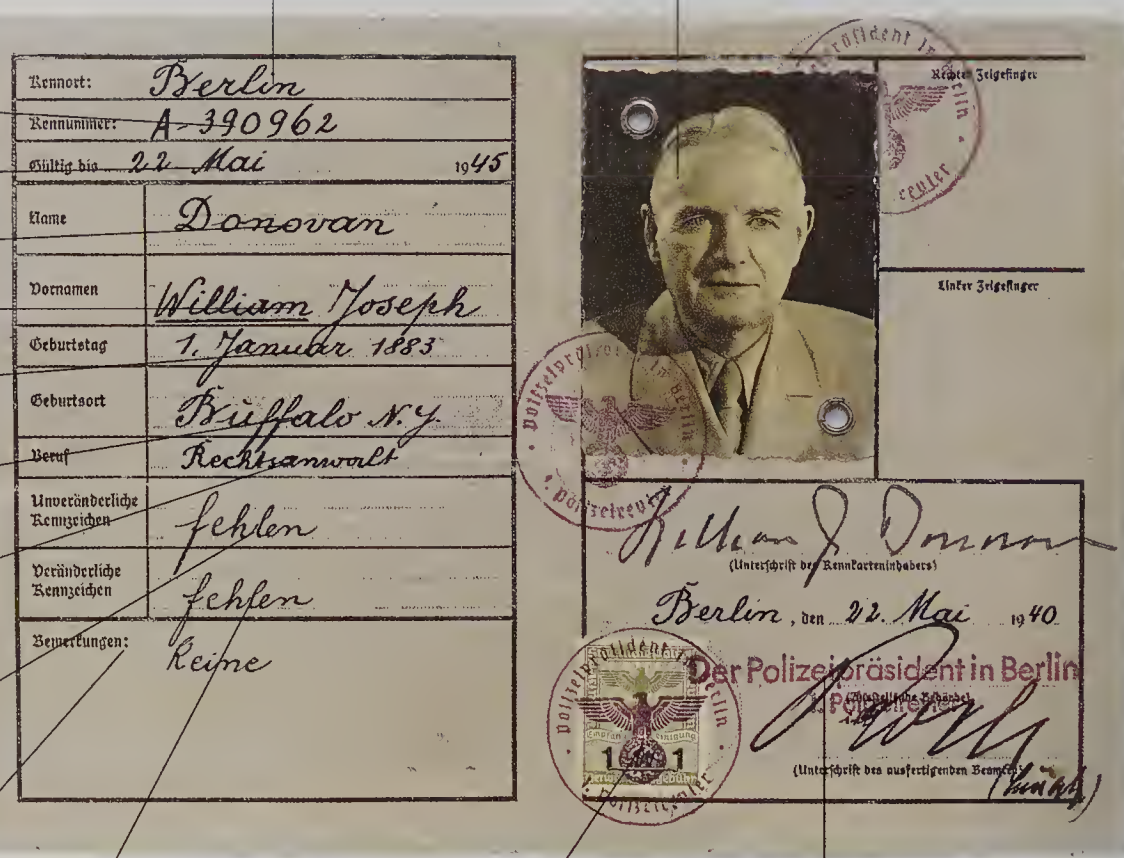
Profession (lawyer)

Unalterable distinguishing marks (none)

Notes (none)

Place of issue

Photograph of General William J. Donovan (Director of the OSS)



Alterable distinguishing marks (none)

Forged imprint of German national emblem

Forged imprint of Berlin police chief

Foresight

Suppressor (silencer) end cap

OSS CLANDESTINE BLADE KIT

OSS marking

Open-handled dagger

Ring dagger

Thumb knife

Triple-edged dart

Folding leather case

Single-hook thrust dagger

Hatpin dagger

Triple-edged concealment dagger

Manufacturer's plate

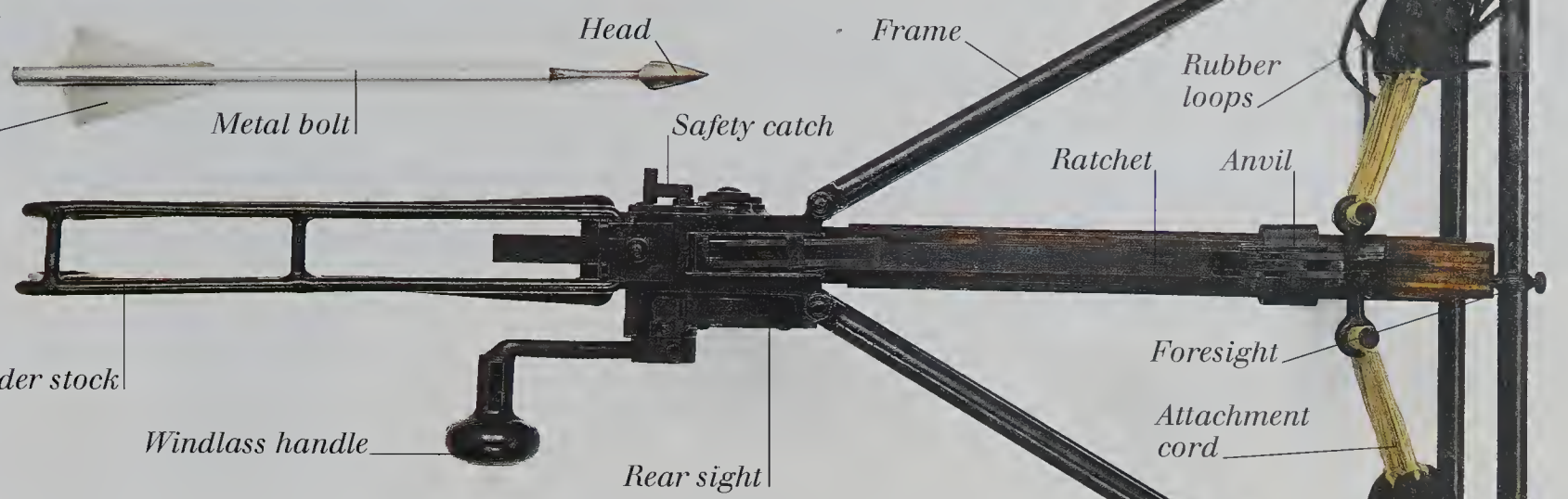
Double-edged knife

Blackened double-edged knife

Lapel knife

Lacing for case

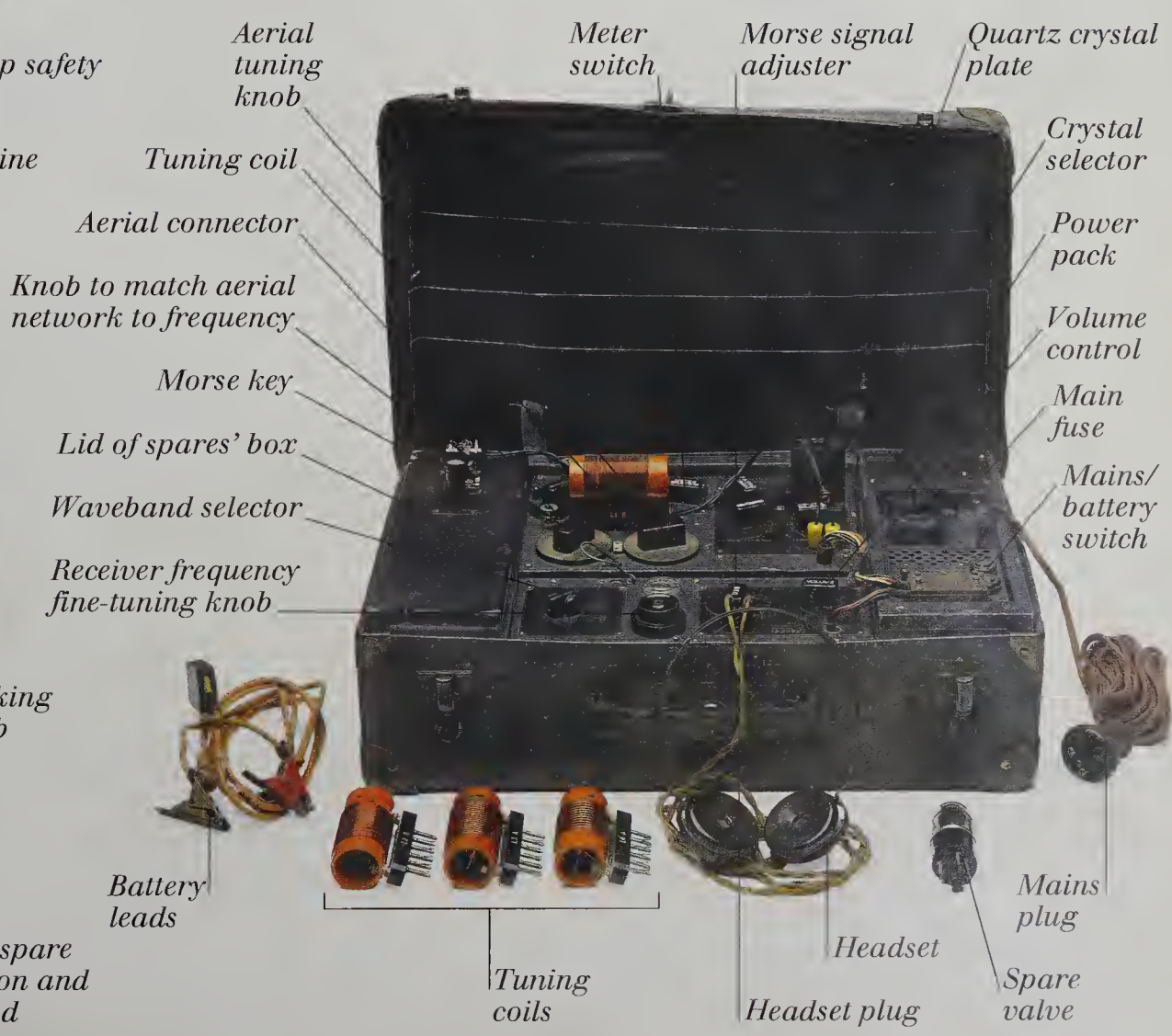
SOE CROSSBOW



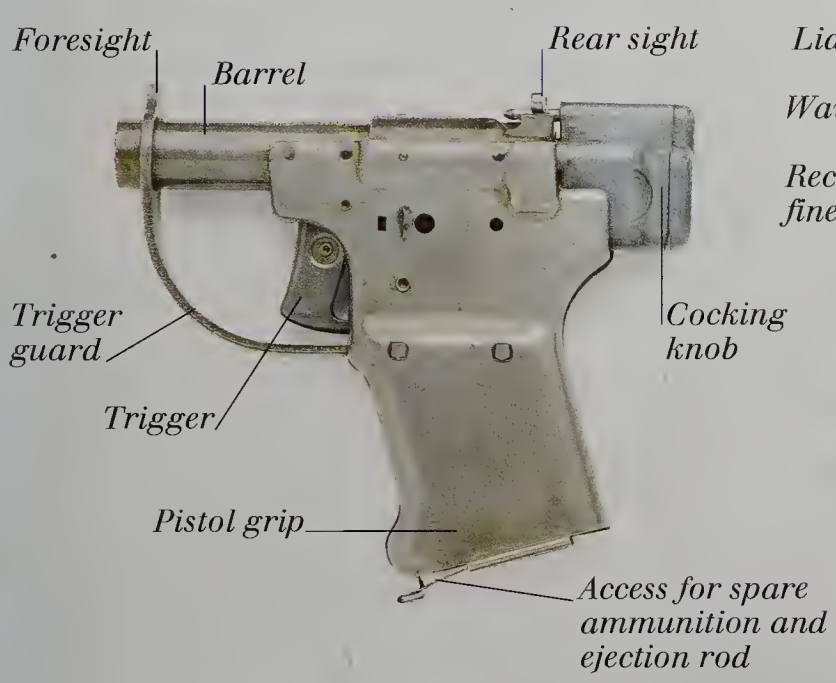
SOE HI-STANDARD .22 IN SILENCED AUTOMATIC PISTOL

SOE WELROD .32 IN SILENCED PISTOL

BRITISH TYPE 3 MK II SUITCASE RADIO



OSS LIBERATOR .45 IN PISTOL



Wartime secret agents 3

CIGARETTE LIGHTER WITH CONCEALED COMPASS

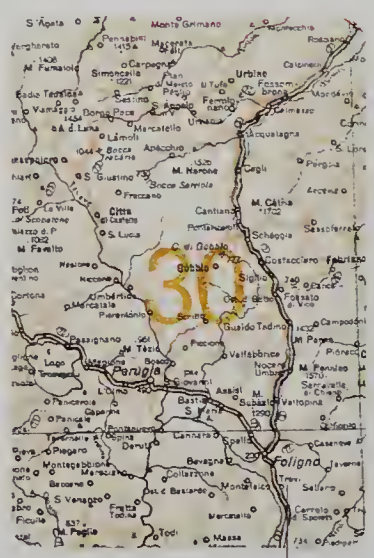
False top for compass compartment with reverse-thread screw

DICE SHAKER WITH CONCEALED COMPARTMENT

SHAVING BRUSH WITH CONCEALED COMPARTMENT

HAIRBRUSH WITH CONCEALED COMPARTMENT

PLAYING CARDS WITH CONCEALED MAP SECTIONS



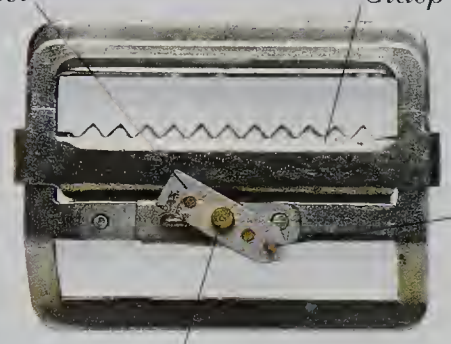
Playing card

Section of map

Numbered section of map

FOUNTAIN PEN WITH CONCEALED MAP AND COMPASS

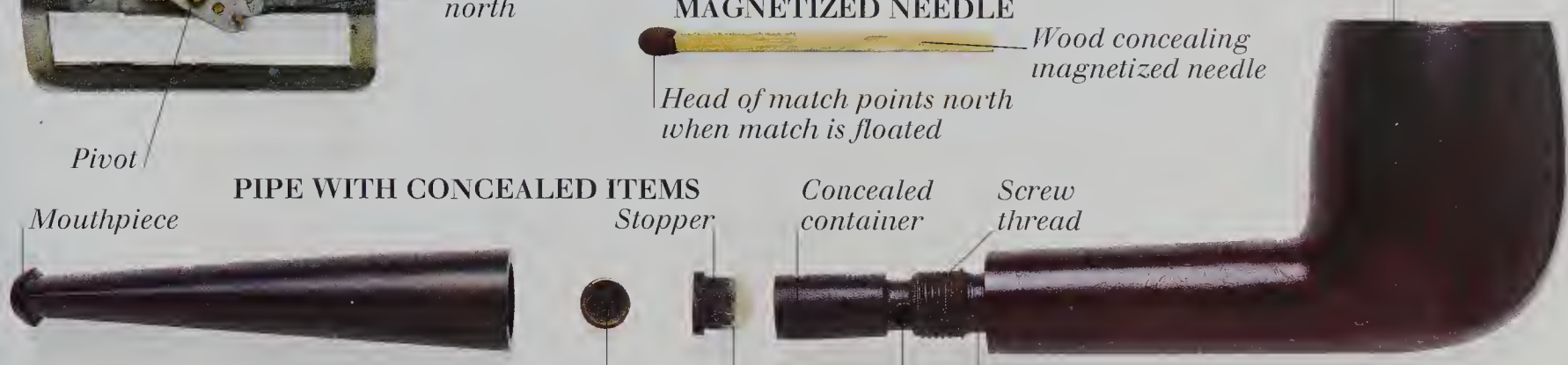
BUCKLE COMPASS



MAGNETIZED PEN NIB

MATCH CONTAINING MAGNETIZED NEEDLE

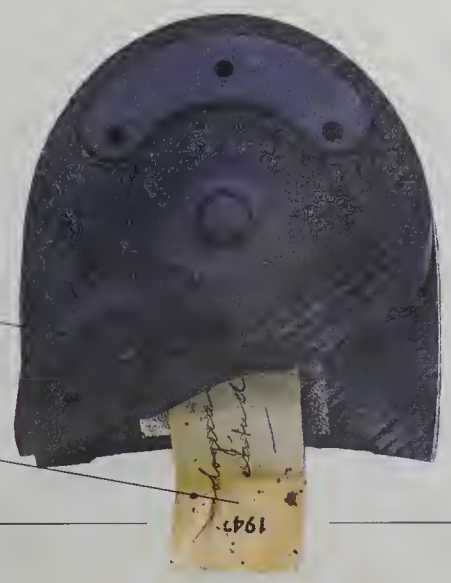
PIPE WITH CONCEALED ITEMS



ITEMS CONTAINED IN HAIRBRUSH

LEATHER BOOT HEEL WITH CONCEALED COMPARTMENT

RUBBER BOOT HEEL WITH CONCEALED COMPARTMENT



Concealed weapons

SECRET AGENTS OPERATING inside enemy territory may carry concealed weapons, mainly for use as a last resort to avoid capture. During World War II, many such weapons were designed specifically for agents of the British SOE (Special Operations Executive) and American OSS (Office of Strategic Services). Agents required weapons that were small enough to be hidden easily or disguised as everyday objects. Because these weapons were so small, they had a limited range – only 3.5 m (12 ft) for some of the pistols shown here. Some weapons could be concealed in clothing. Such weapons ranged from a simple lapel knife to the more sophisticated belt pistol.

FRENCH FIVE-SHOT RING REVOLVER, 1870s

OSS SPRING-LOADED TELESCOPIC COSH, WORLD WAR II (1939-1945)

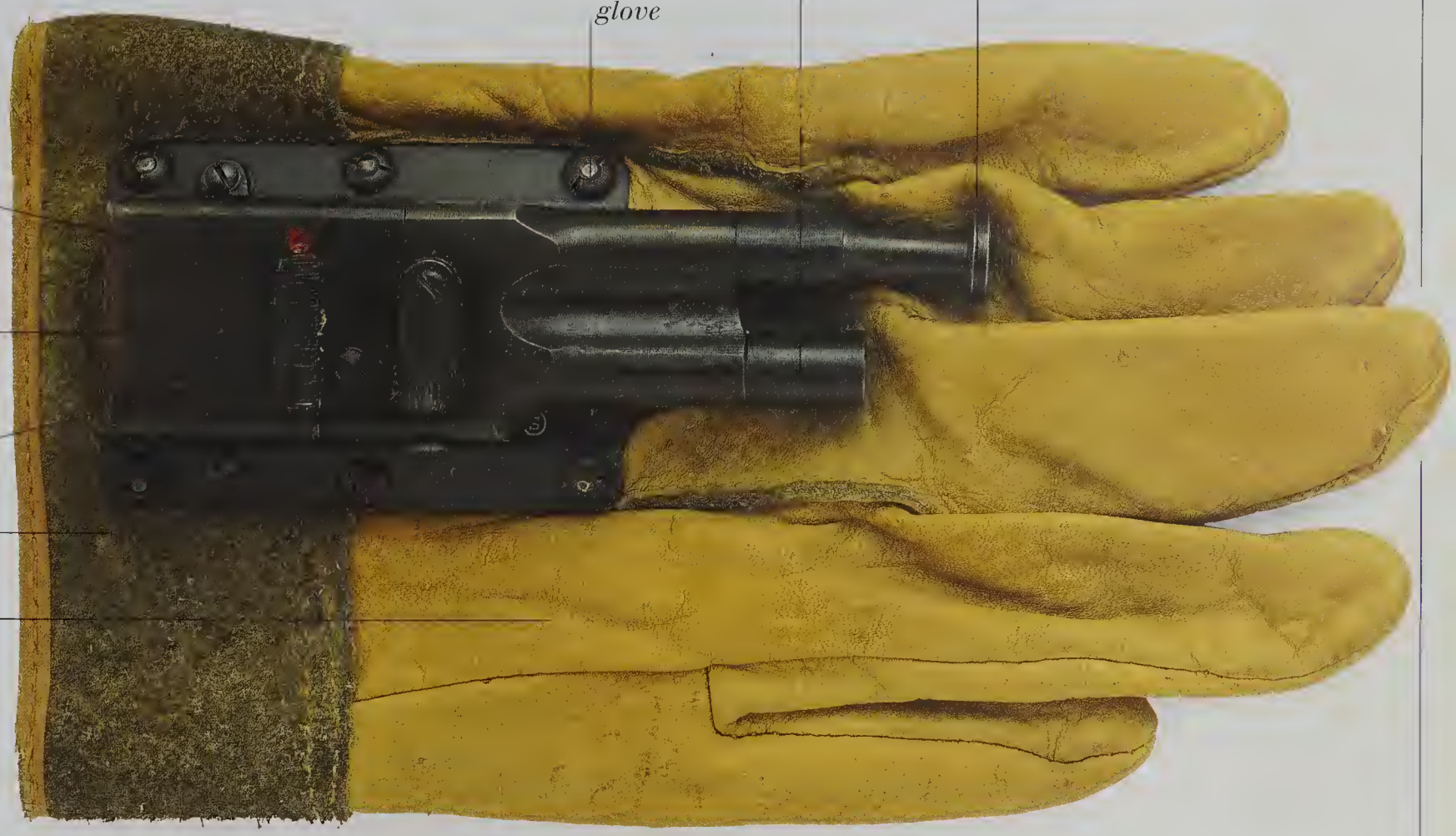
SOE AND OSS .22 IN "STINGER" SINGLE-SHOT WEAPON, WORLD WAR II (1939-1945)

OSS .22 IN PIPE PISTOL, WORLD WAR II (1939-1945)

BRITISH SPECIAL FORCES' BELT PISTOL, WORLD WAR II (1939-1945)

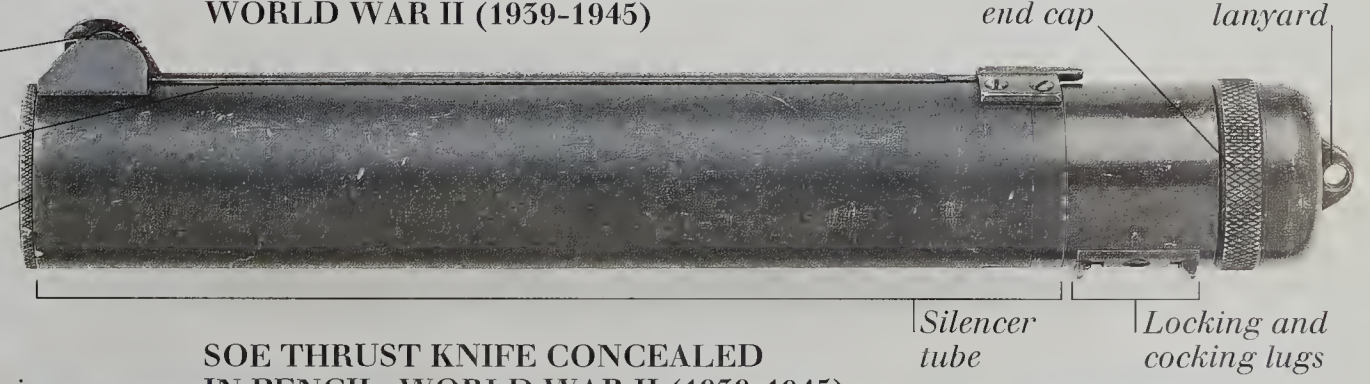
SOE LAPEL KNIFE, WORLD WAR II (1939-1945)

US OFFICE OF NAVAL INTELLIGENCE .38 IN GLOVE PISTOL, WORLD WAR II (1939-1945)



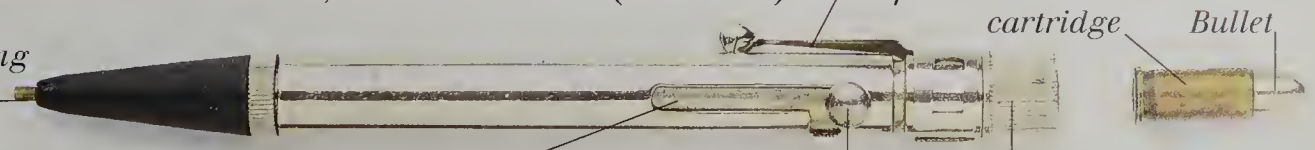
SOE DOUBLE-HOOKED THRUST KNIFE, WORLD WAR II (1939-1945)

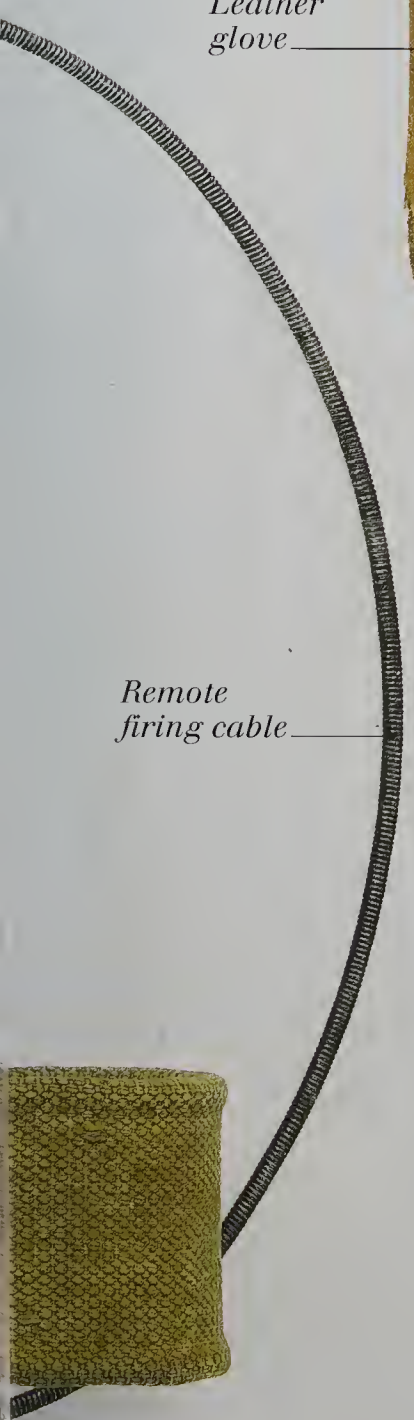
SOE AND OSS .32 IN SLEEVE PISTOL, WORLD WAR II (1939-1945)



SOE THRUST KNIFE CONCEALED IN PENCIL, WORLD WAR II (1939-1945)

SOE 6.35 MM PROPELLING PENCIL PISTOL, WORLD WAR II (1939-1945)

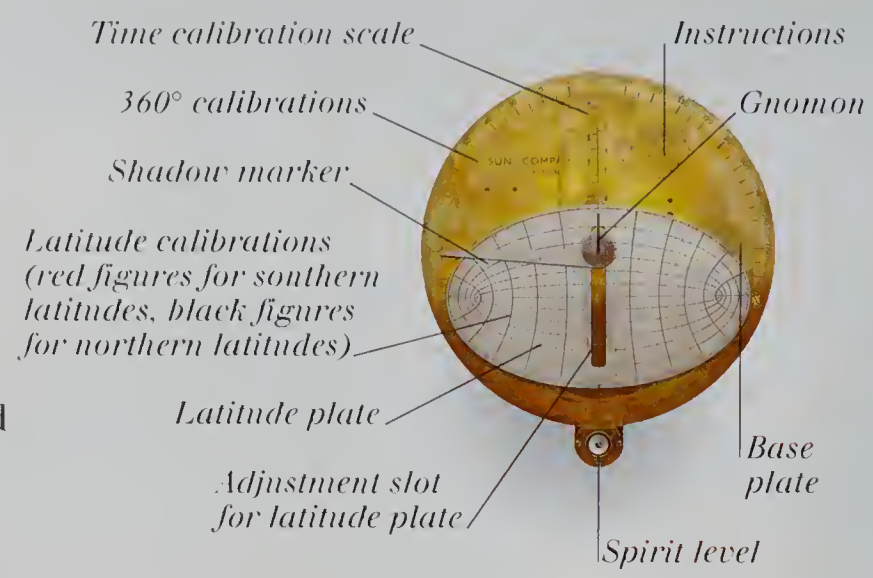




Desert forces

ARMED FORCES OPERATING IN THE DESERT have to cope with extremes of temperature and water shortage, as well as facing the difficulties of defending and travelling across vast areas of almost featureless terrain. Some forces, such as the French Foreign Legion, have become specialists in desert warfare. Other nations established units specifically to carry out reconnaissance and sabotage in the desert; such units included the British Long Range Desert Group and the SAS (Special Air Service). Reliable four-wheel-drive vehicles – such as the modified Land Rover shown here – are essential in the desert. This vehicle (known as the "Pink Panther" because of the colour of its sand camouflage) was fitted with large-capacity fuel tanks to give it a longer than average range of about 2,400 km (1,500 miles).

BRITISH SUN COMPASS, WORLD WAR II (1939-1945)



SIDE VIEW OF BRITISH SPECIAL AIR SERVICE'S LAND ROVER ("PINK PANTHER"), 1960s-1980s

VHF radio aerial
UHF radio
84 mm anti-tank weapon stowage
Grenade box
Sun compass
7.62 mm general purpose machine-gun
180-litre (40-gallon) fuel tank
Spotlight
Ammunition bin
84 mm anti-tank round
Smoke-grenade discharger
Bergen pack
Theodolite case
Pannier
Tail-board
Folded tent
Sand channel
Leaf spring
Pneumatic tyre
Chuggle for carrying water
Fuel expansion tank

EXAMPLES OF DESERT FORCES' INSIGNIA

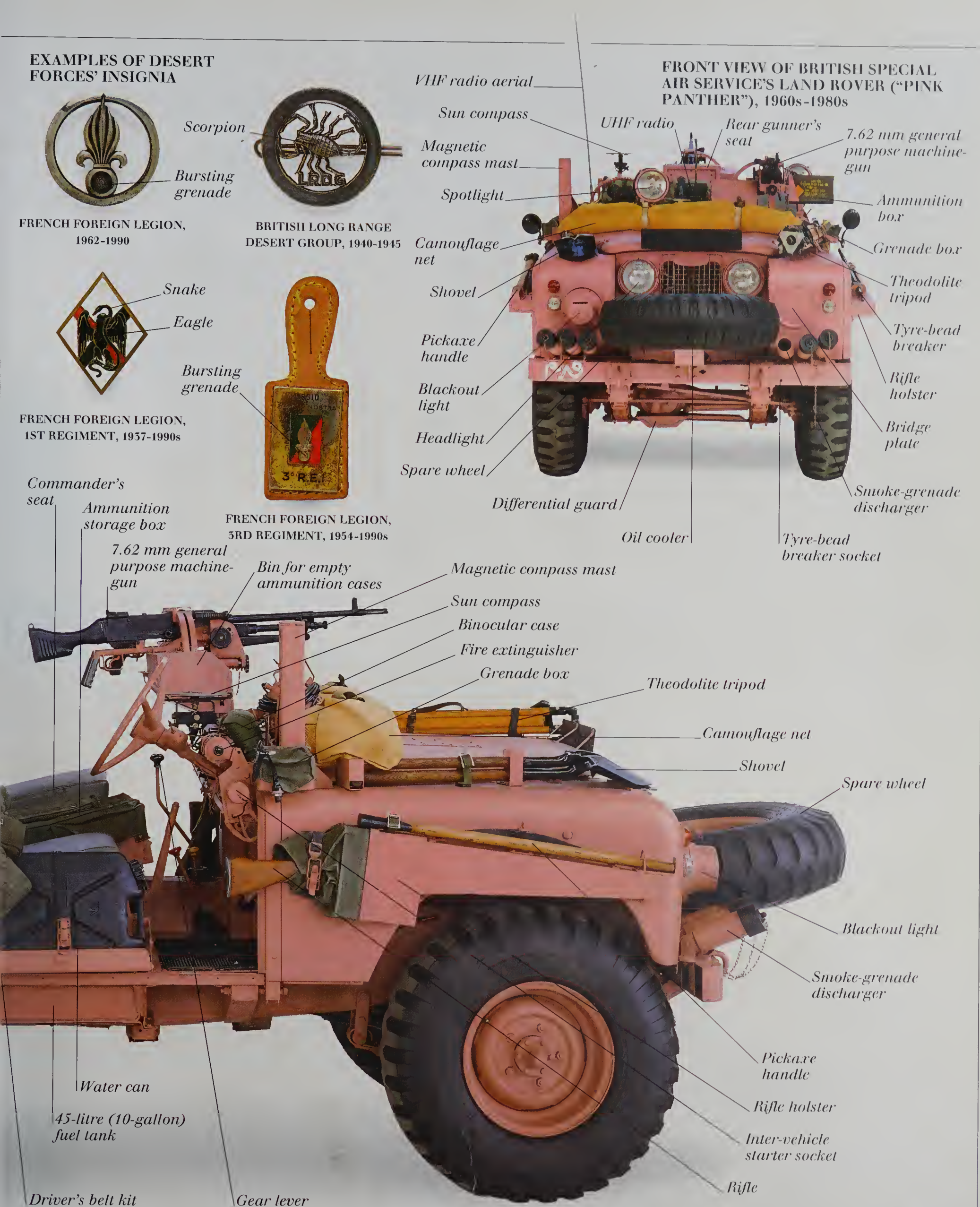
FRENCH FOREIGN LEGION, 1962-1990

BRITISH LONG RANGE DESERT GROUP, 1940-1945

FRENCH FOREIGN LEGION, 1ST REGIMENT, 1937-1990s

FRENCH FOREIGN LEGION, 3RD REGIMENT, 1954-1990s

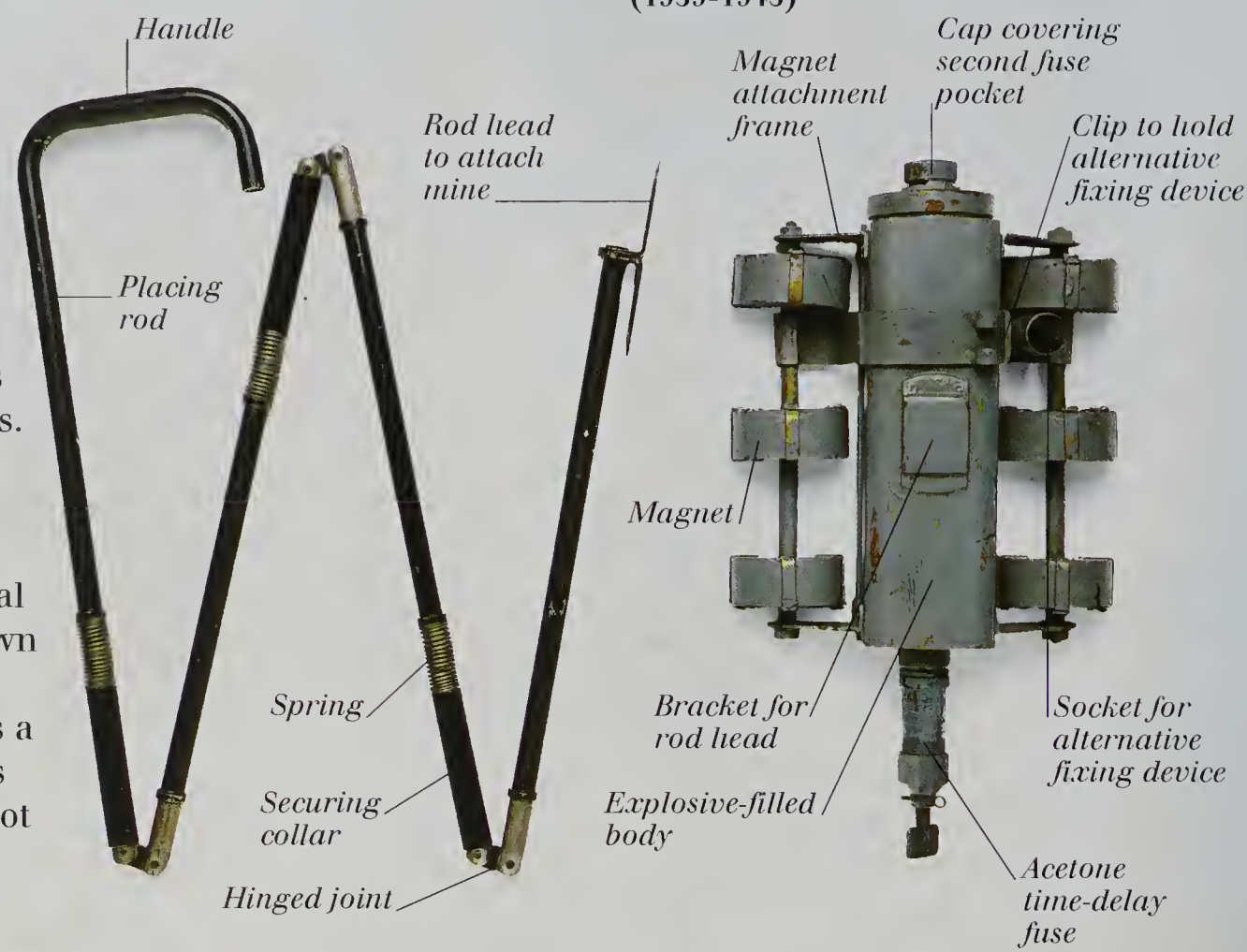
FRONT VIEW OF BRITISH SPECIAL AIR SERVICE'S LAND ROVER ("PINK PANTHER"), 1960s-1980s



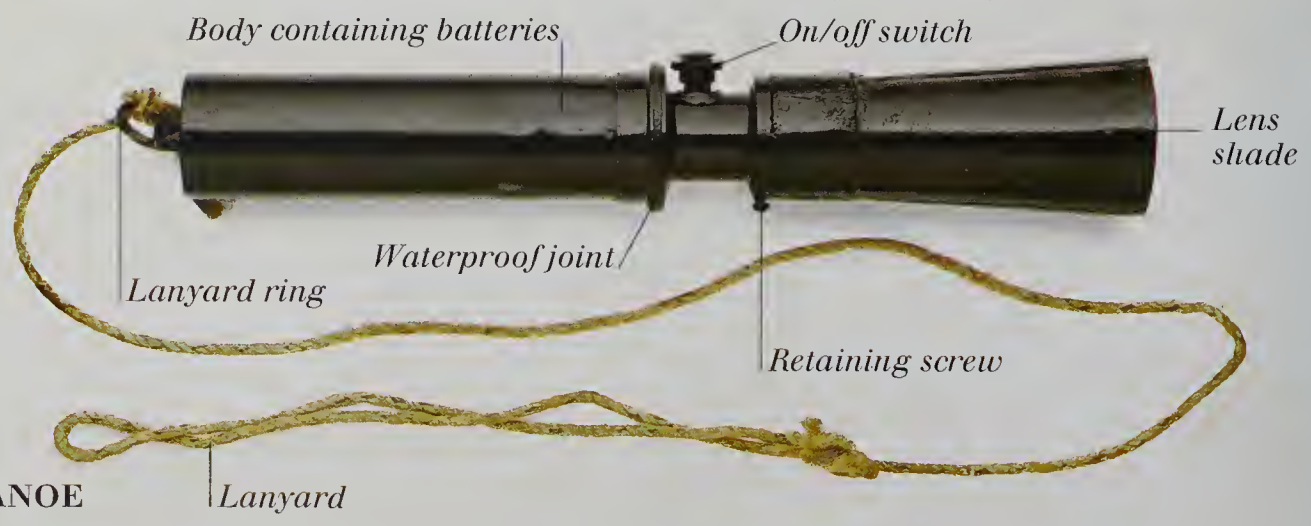
Covert amphibious forces

COVERT AMPHIBIOUS forces not only have to be expert at fighting on land and at sea, but also must be skilled at carrying out operations in the greatest secrecy. Their missions range from reconnaissance to attacks on enemy ships and harbour defences. Because of the clandestine nature of their operations, covert amphibious forces often use silent boats, such as canoes. During World War II, a special submersible craft was invented. Known as the "Sleeping Beauty", this vessel could function both as a canoe and as a mini-submarine. However, despite its versatility, the Sleeping Beauty was not widely used. Acts of sabotage carried out by covert amphibious forces often involve disabling enemy ships, typically by attaching limpet mines to the hulls. Various timing devices have been used to detonate such mines, including acetone time-delay fuses, which employ different concentrations of acetone to vary the length of time before the mine is detonated.

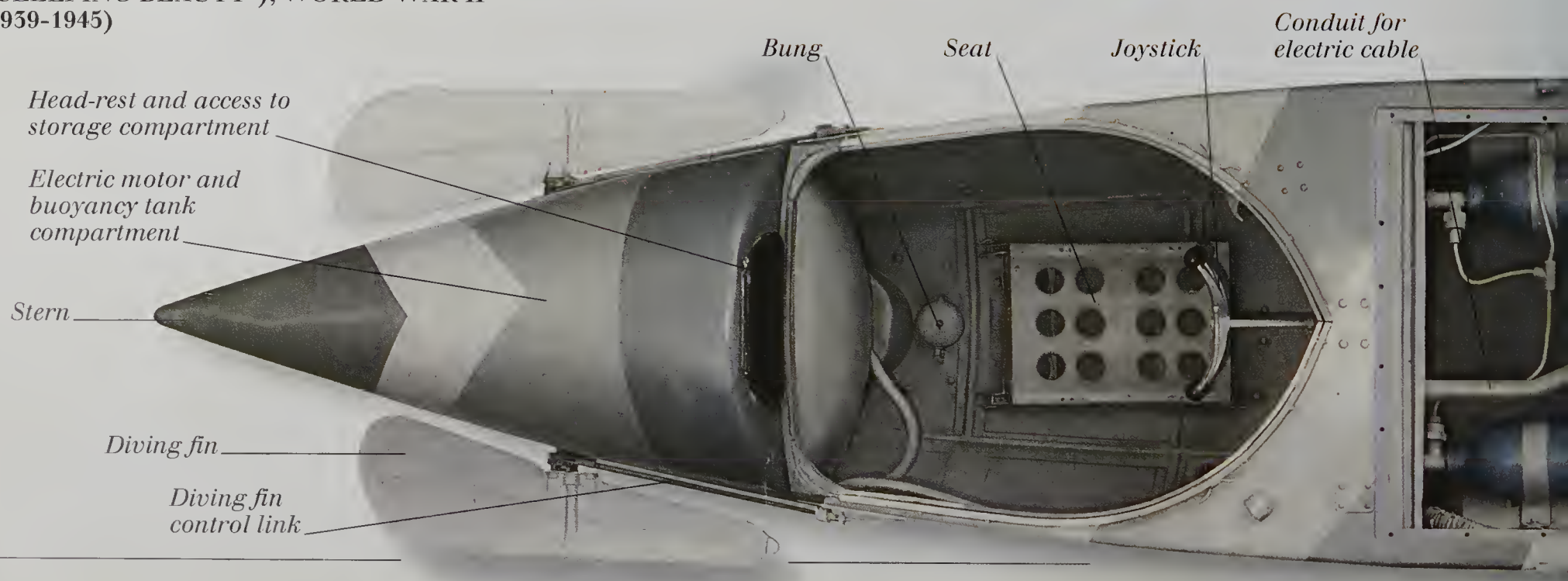
BRITISH LIMPET MINE AND PLACING ROD, WORLD WAR II (1939-1945)



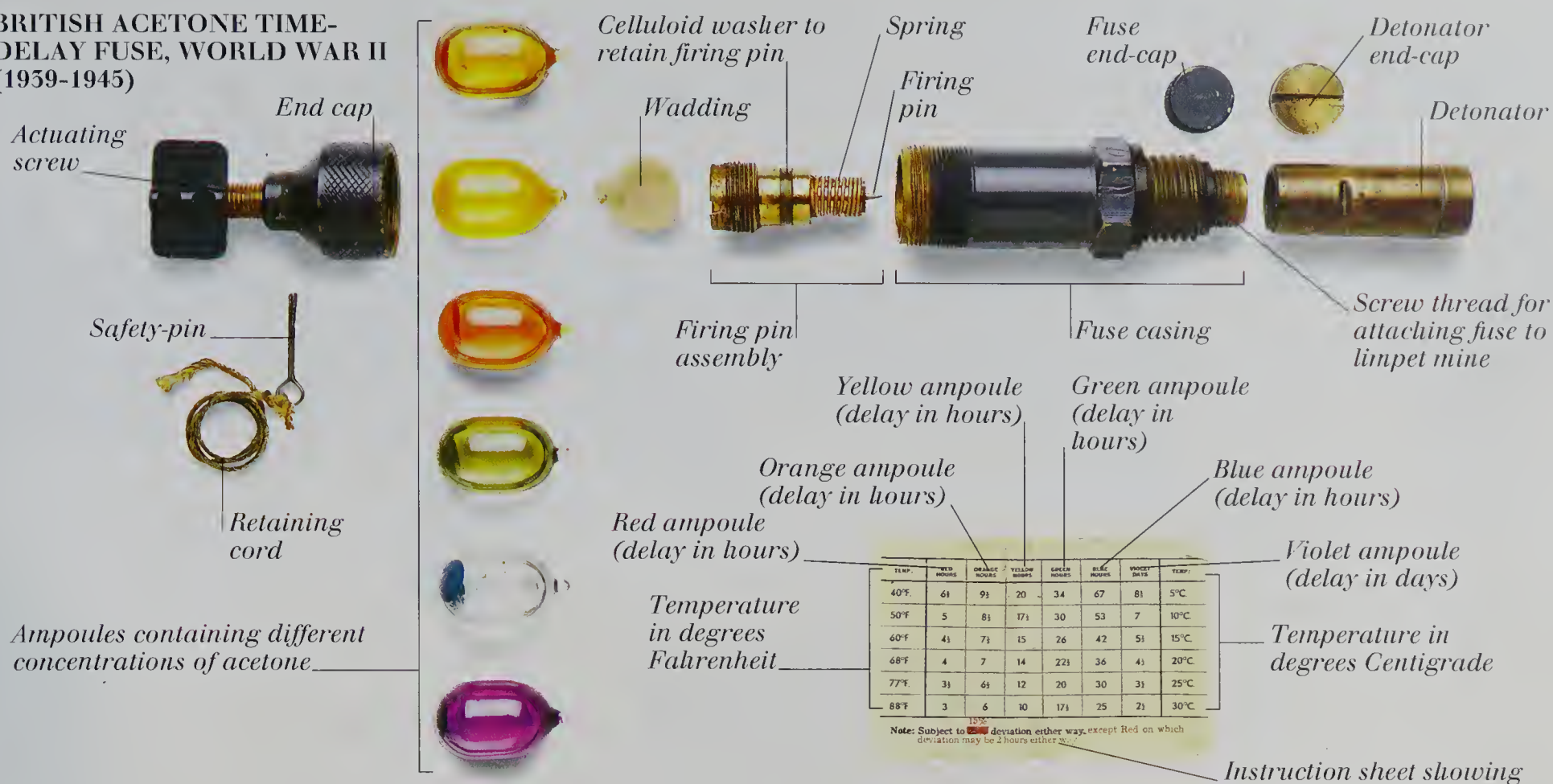
BRITISH WATERPROOF TORCH, WORLD WAR II (1939-1945)



BRITISH MOTORIZED SUBMERSIBLE CANOE ("SLEEPING BEAUTY"), WORLD WAR II (1939-1945)



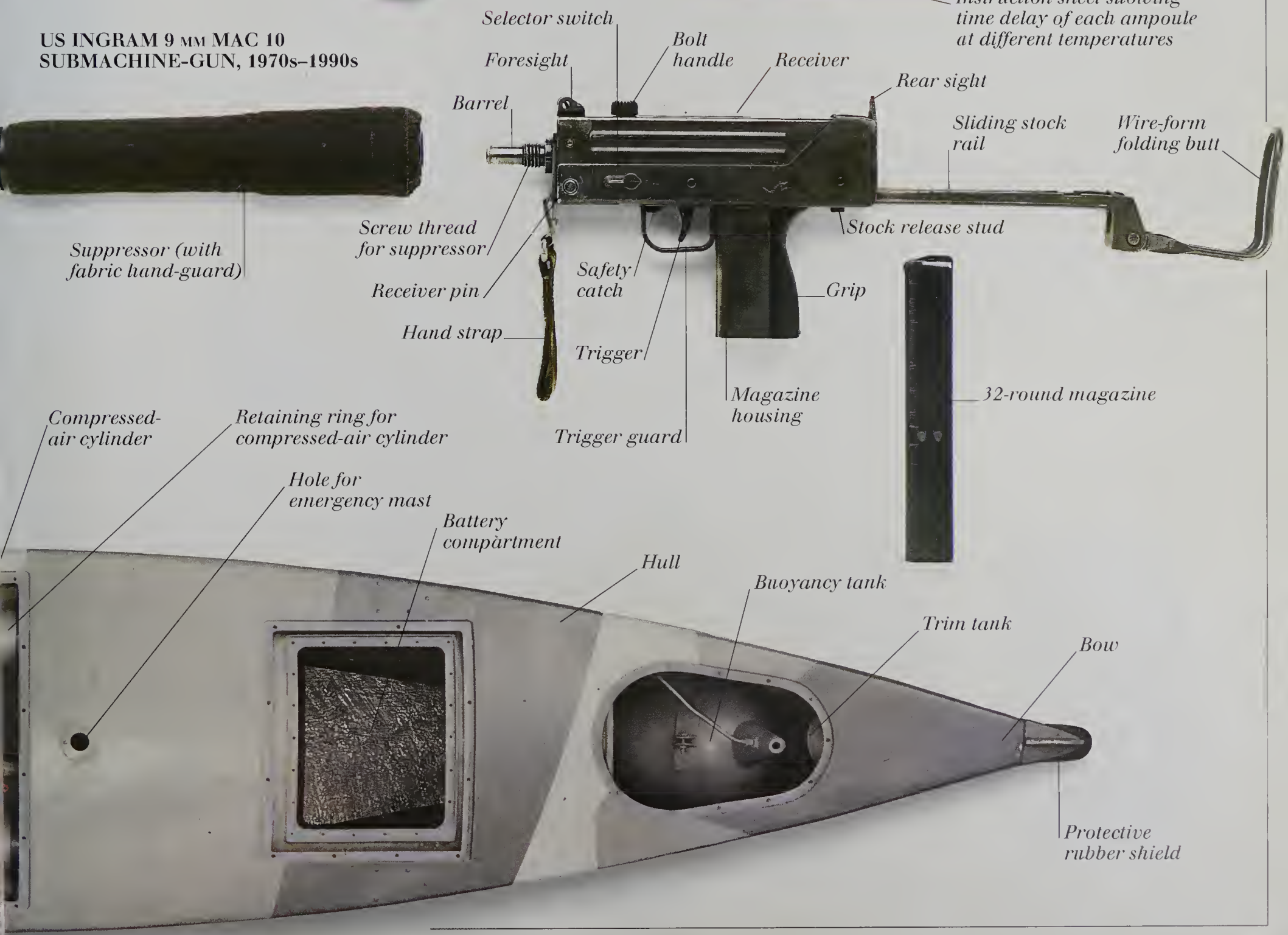
BRITISH ACETONE TIME-DELAY FUSE, WORLD WAR II (1939-1945)



TEMP.	RED HOURS	ORANGE HOURS	YELLOW HOURS	GREEN HOURS	BLUE HOURS	VIOLET DAYS	TEMP.
40°F.	6½	9½	20	34	67	8½	5°C.
50°F	5	8½	17½	30	53	7	10°C.
60°F	4½	7½	15	26	42	5½	15°C.
68°F	4	7	14	22½	36	4½	20°C.
77°F.	3½	6½	12	20	30	3½	25°C.
88°F	3	6	10	17½	25	2½	30°C.

Note: Subject to 15% deviation either way, except Red on which deviation may be 2 hours either way.

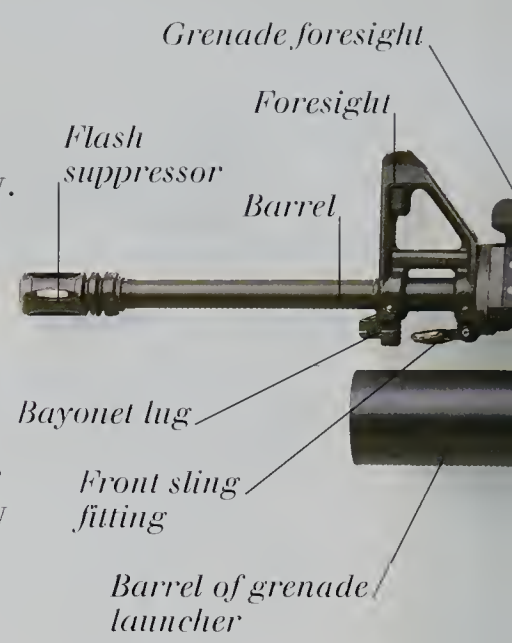
US INGRAM 9 MM MAC 10 SUBMACHINE-GUN, 1970s–1990s



Marines

FRENCH MARINE PARACHUTISTS' BADGE, 1970s

MARINES ARE TROOPS WHOSE PRIMARY TASK is to carry out amphibious (ship-to-shore) landings and establish beachheads on enemy territory. Most of the missions that marines undertake require special craft to transport them ashore. There are various types of such craft, and the type used depends on the situation. For secretly carrying small groups ashore, a fast, manoeuvrable, unarmoured boat may be used, such as the "Rigid Raider". For landing larger groups while under enemy fire, a heavy-duty amphibious vehicle is more suitable, such as the LVTP-7 Amtrac. This vehicle is launched from a ship and can carry 25 marines ashore in relative safety because it is armoured, as well as being armed with a machine-gun and smoke-grenade dischargers.



BRITISH "RIGID RAIDER", 1980s-1990s

US 5.56 MM M16A1 ASSAULT RIFLE FITTED WITH 40 MM M203 GRENADE LAUNCHER, 1960s-1990s

Windage adjustment screw
Bolt release catch
Plastic hand-guard
Quadrant sight for grenade launcher
Slip ring
Carrying handle
Cocking handle
Plastic butt
Grenade launcher barrel catch
Grenade launcher safety catch
Grenade launcher trigger
Rifle trigger
Rifle trigger guard
30-round magazine
Safety catch/ firing selector
Plastic pistol grip
Rear sling fitting

BRITISH FAIRBAIRN AND SYKES FIGHTING KNIFE, WORLD WAR II (1939-1945)

Pommel
Grip
Guard
Double-edged blade

US LVTP-7 AMPHIBIOUS TRACTOR (AMTRAC), 1970s-1990s

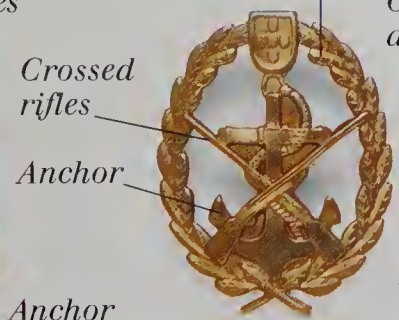
Aerial
Hydraulic ramp
Turbine exhaust
Steel hawser
Ramp hinge
Idler
Steel wheel
Axe
Spade
Rear hatch rail
Aluminium hull
Compartment for troops
Rubber tyre
Torsion bar
Suspension damper
Rubber pad
Turret hatch
Turret
Vision block
Aerial
Smoke-grenade discharger
Searchlight
Commander's cupola
Periscope
12.7 mm machine-gun
Driver's cupola
Vision block
Drive sprocket
Bolt-on rim
Caterpillar track

EXAMPLES OF MARINES' INSIGNIA

BRITAIN'S ROYAL MARINES, 1953-1990s

US MARINE CORPS, 1954-1990s

ITALIAN ARMY AMPHIBIOUS UNIT, 1964-1990s

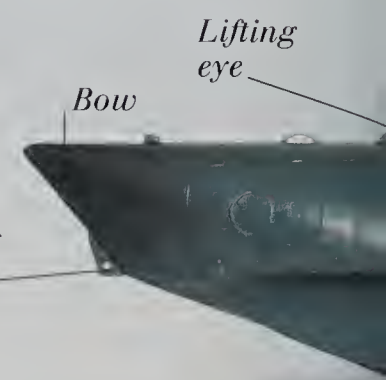


PORTUGUESE MARINE CORPS, 1986-1990s

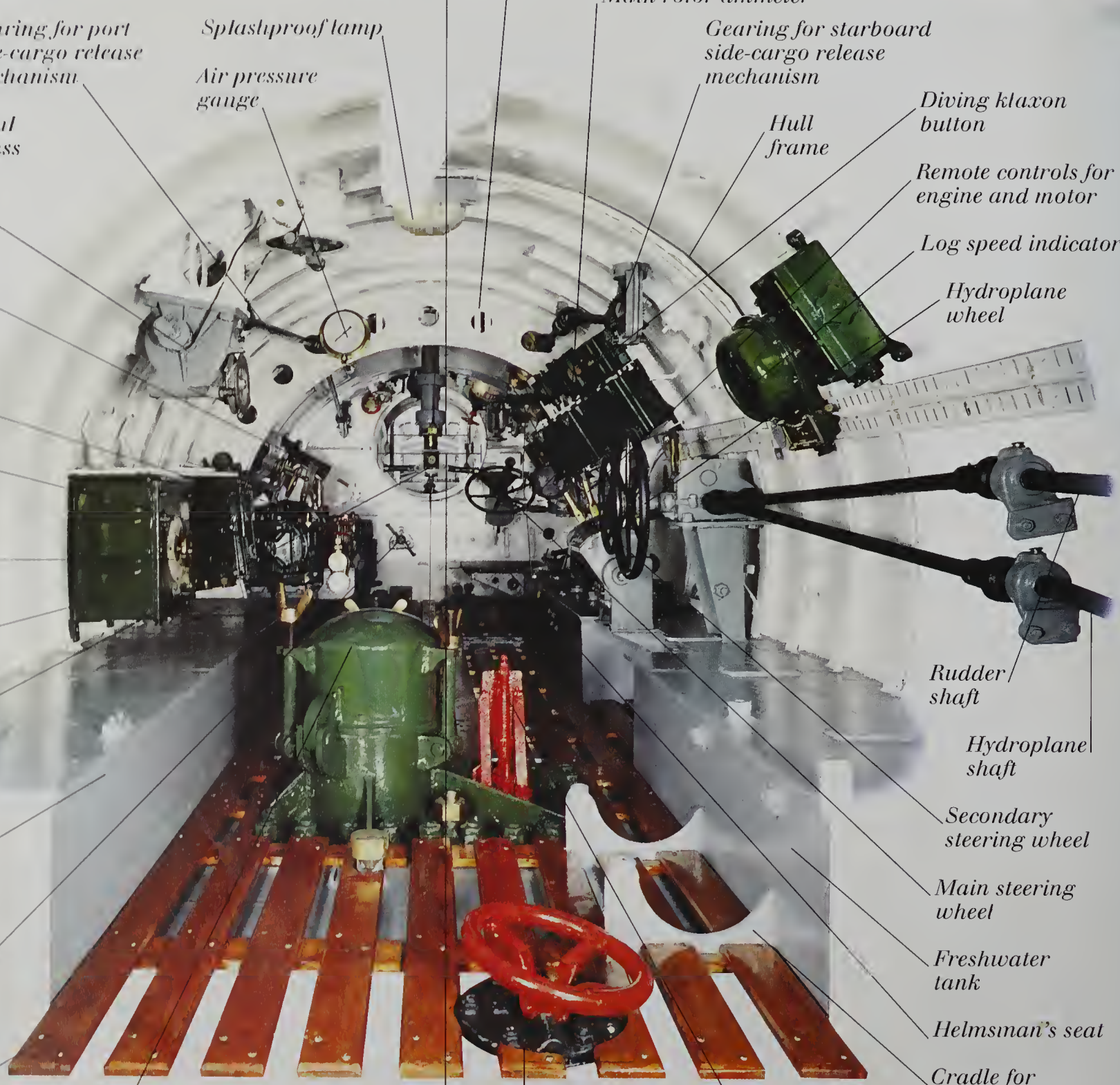
ROYAL NETHERLANDS MARINE CORPS, 1948-1990s

Subaqua forces

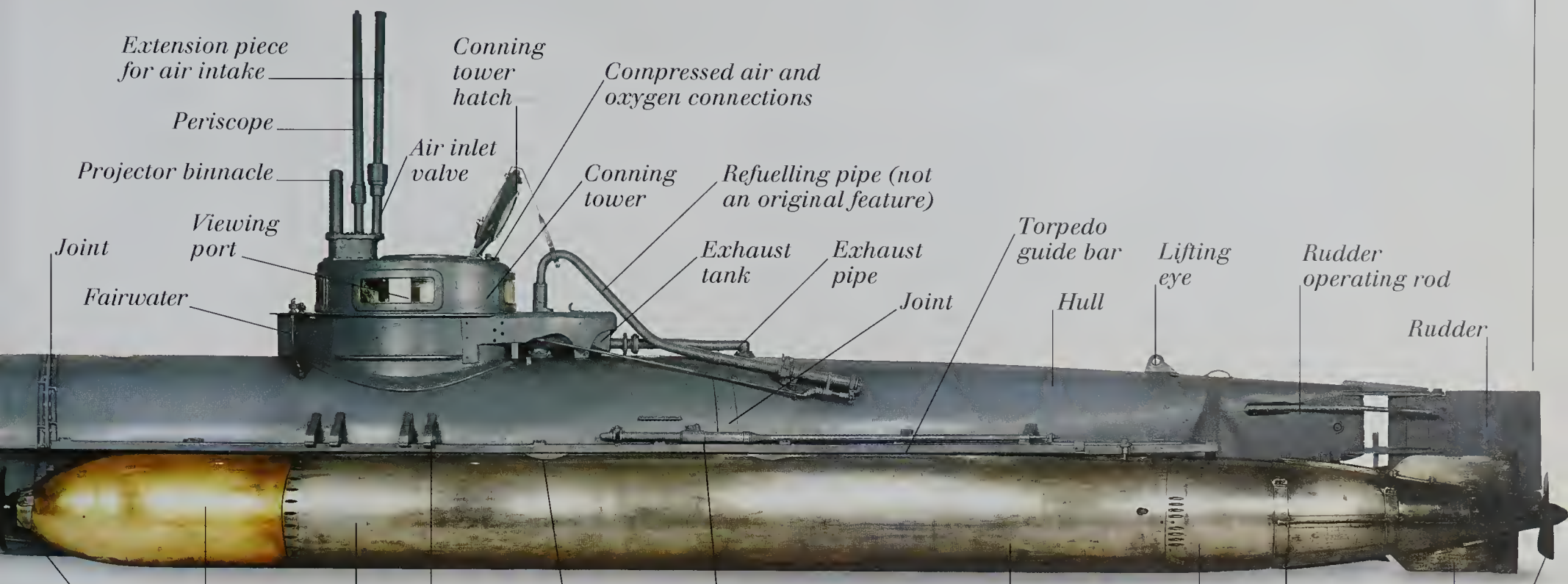
SUBAQUA FORCES ARE SPECIALLY TRAINED to perform underwater naval operations. During World War II, various submersibles were invented to secretly penetrate enemy harbour defences. The Italians produced the Maiale ("pig") "human torpedo", which was crewed by two frogmen who attached the torpedo's warhead to an enemy ship's hull. Four men crewed the British X-craft midget submarine, which carried two explosive charges and was a more advanced craft. Unlike these successful vessels, the design of the German Biber ("beaver") submarine was improvised and the craft was largely ineffective, despite being able to carry two full-size torpedoes. The vessels and other equipment used by modern subaqua forces are considerably more sophisticated. For example, frogmen often use special underwater breathing apparatus which does not release air bubbles that would otherwise reveal their position.



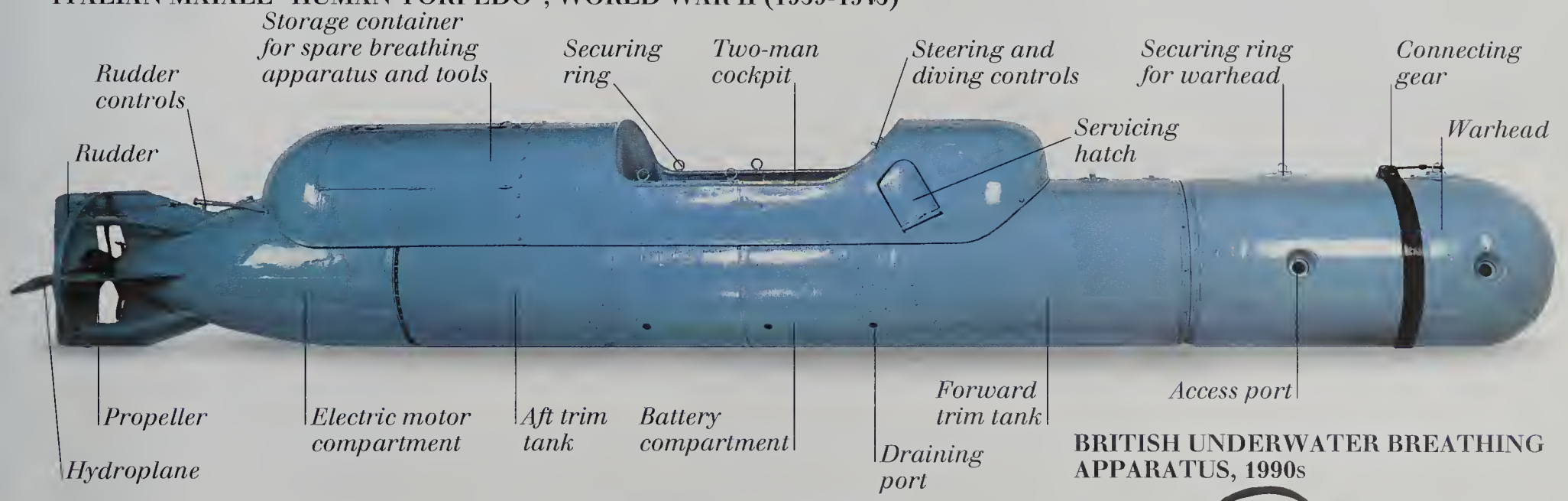
BRITISH X-CRAFT MIDGET SUBMARINE, WORLD WAR II (1939-1945)



GERMAN BIBER ONE-MAN SUBMARINE, WORLD WAR II (1939-1945)



ITALIAN MAIALE "HUMAN TORPEDO", WORLD WAR II (1939-1945)



EXAMPLES OF SUBAQUA FORCES' INSIGNIA

ROYAL CANADIAN NAVY CLEARANCE DIVER, 1940s-1960s

GERMAN NAVY SUBAQUA FORCES, 1944-1945

ITALIAN NAVY FROGMAN, 1980s-1990s

BRITISH UNDERWATER BREATHING APPARATUS, 1990s

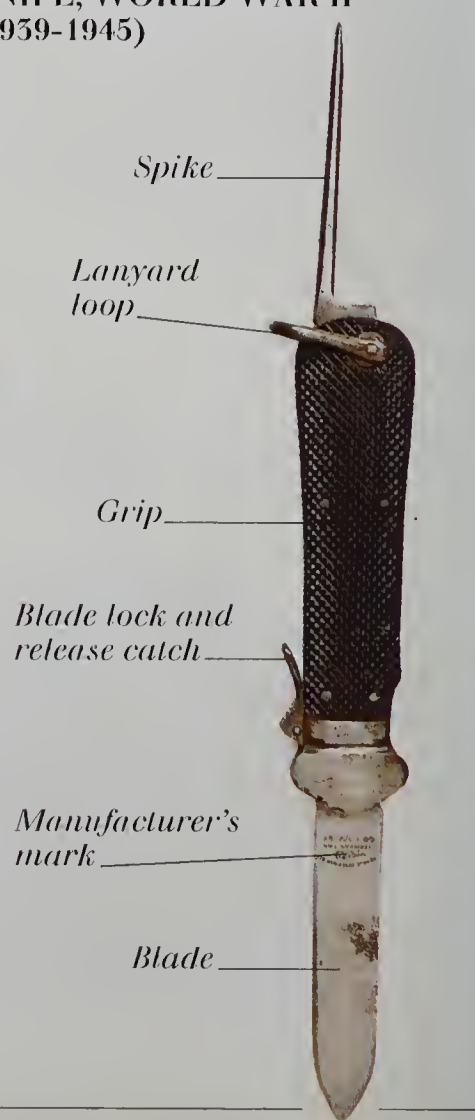
Parachutists 1

THE PRINCIPAL FUNCTION OF PARACHUTISTS is to land behind enemy lines to capture strategically important positions. Parachutists are equipped with two parachutes, a main one and an emergency one in case the main parachute fails to open. They are armed with lightweight and compact weapons, such as the US M1A1 carbine, which has a folding skeleton butt. The shortage of supplies and vehicles at the landing area is a major problem for parachutists invading enemy territory. However, this problem can usually be overcome by parachuting down equipment with the troops. For example, during World War II, containers holding weapons, ammunition, radios, and even folding motorcycles were parachuted down. Sometimes, larger vehicles were dropped by parachutes, such as the US jeep, which needed four parachutes to land undamaged.

FRENCH PARACHUTISTS' CLOTHING, 1970s-1990s

SOVIET PARACHUTISTS' RPG 7D ROCKET-PROPELLED GRENADE LAUNCHER AND PG-7 ROCKET-PROPELLED GRENADE, 1960s-1990s

BRITISH PARACHUTISTS' KNIFE, WORLD WAR II (1939-1945)



US PARACHUTISTS' .30 IN M1A1 CARBINE, 1940s-1950s

FRENCH FOREIGN LEGION INSIGNIA, 1970s

FRENCH FOREIGN LEGION ARM BADGE

FRENCH FOREIGN LEGION CHEST BADGE, 2ND PARACHUTE REGIMENT

FRENCH PARACHUTISTS' EQUIPMENT, 1970s

PARACHUTE EQUIPMENT ARRANGED FOR JUMP

EXAMPLES OF PARACHUTISTS' INSIGNIA

US PARACHUTIST, 1940s-1990s

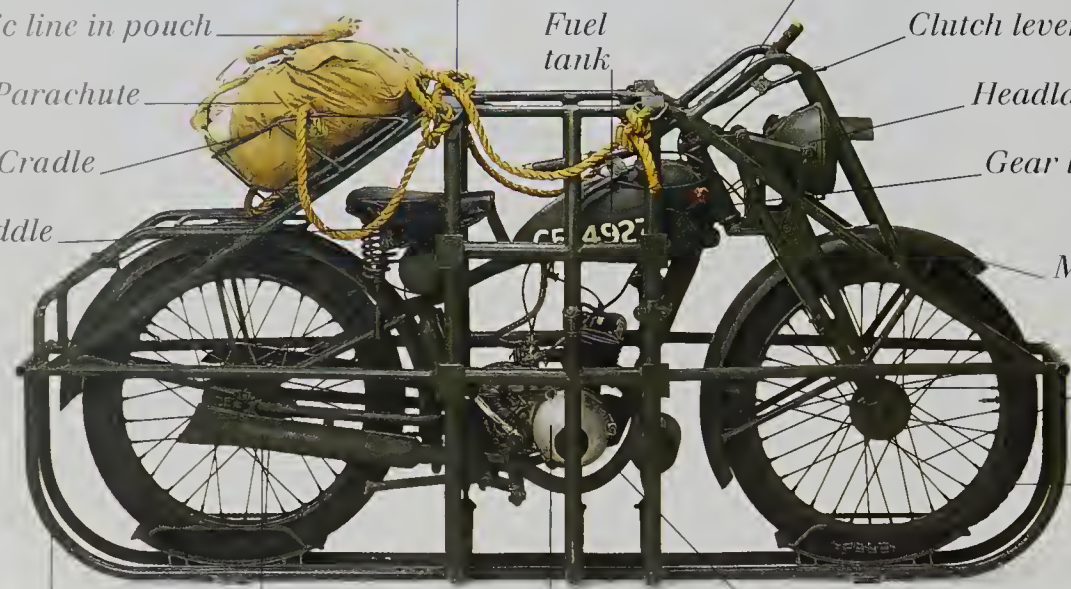
BRITISH ARMY PARACHUTIST, 1940-1990s

AUSTRALIAN SPECIAL AIR SERVICE PARACHUTIST, 1960s-1990s

CANADIAN ARMY PARACHUTIST, 1940s-1960s

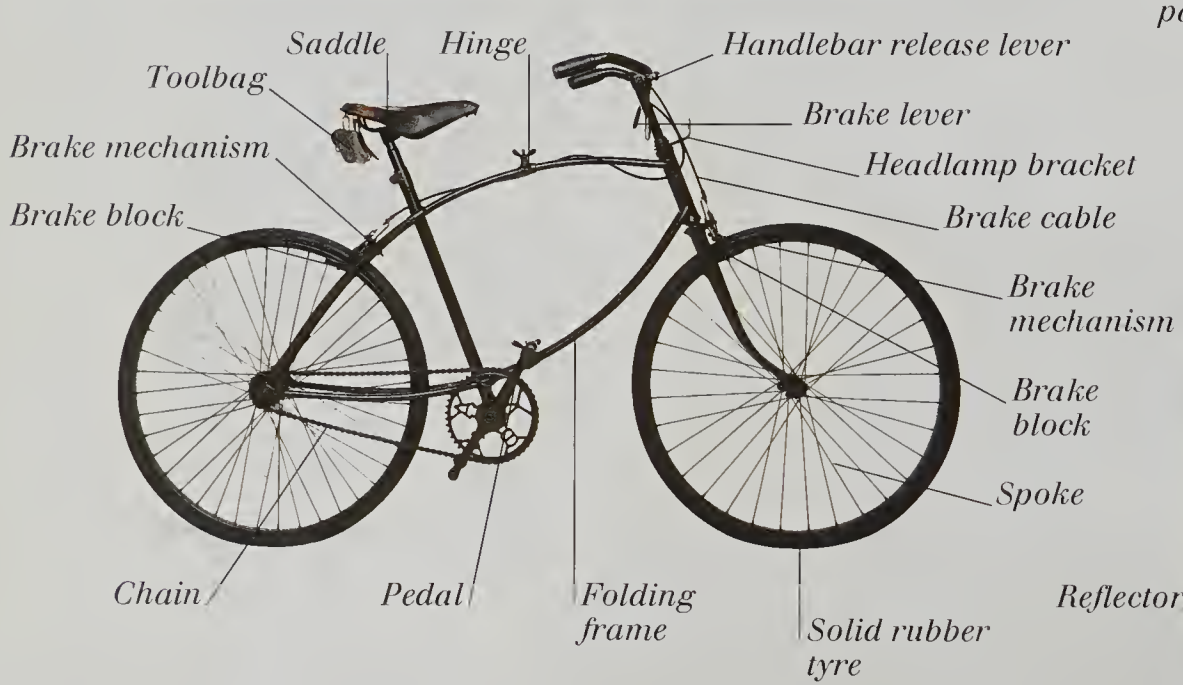
Parachutists 2

BRITISH PARADROPPABLE MOTORCYCLE, WORLD WAR II (1939-1945)

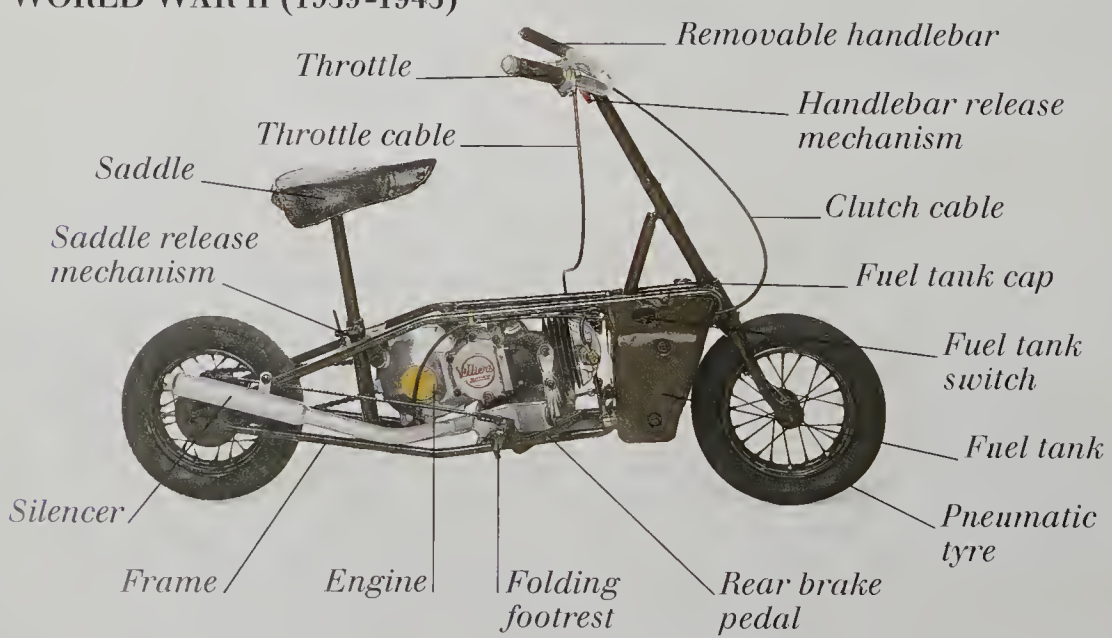


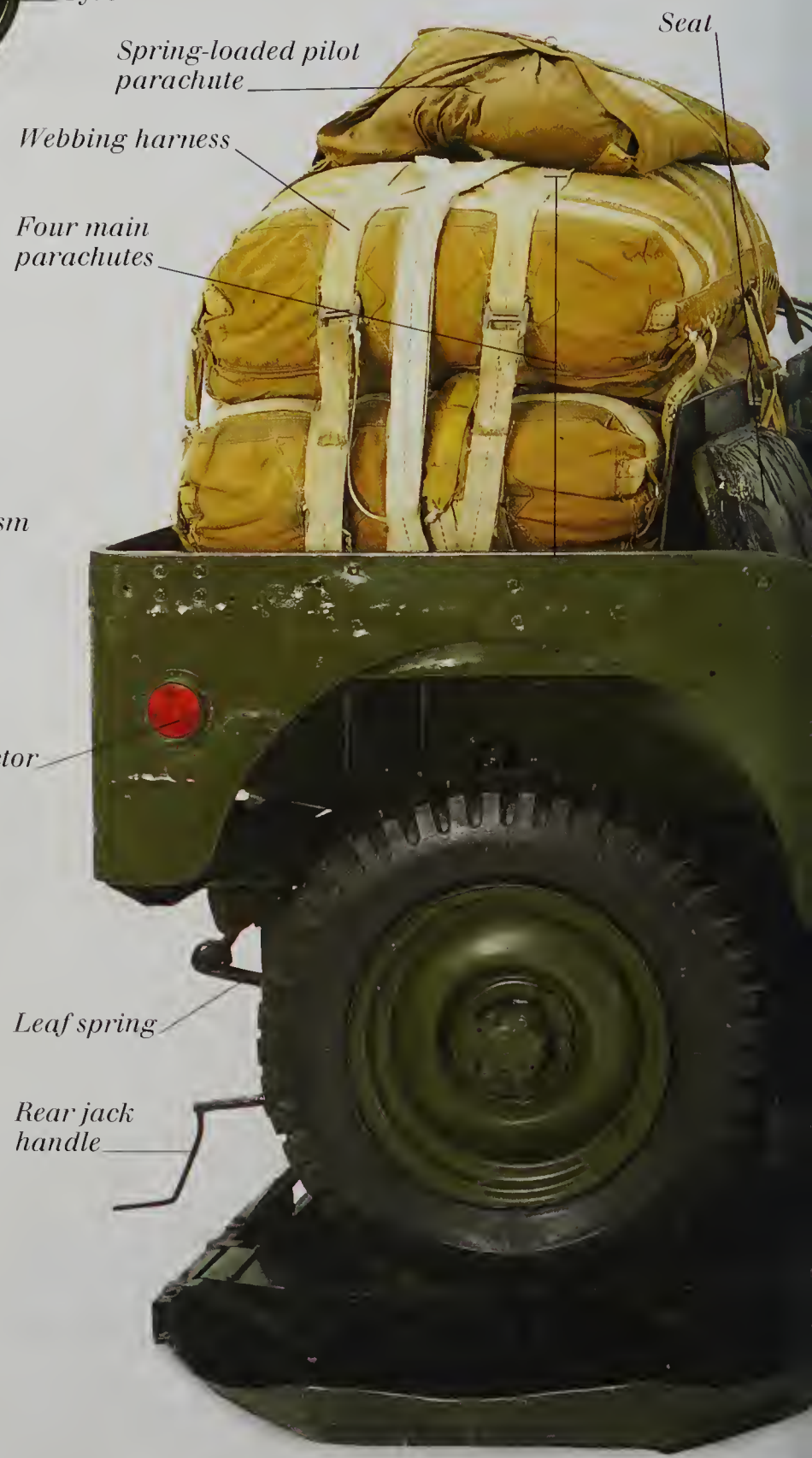
BRITISH EXPERIMENTAL STEN GUN CARRIER, WORLD WAR II (1939-1945)

BRITISH FOLDING BICYCLE, WORLD WAR II (1939-1945)

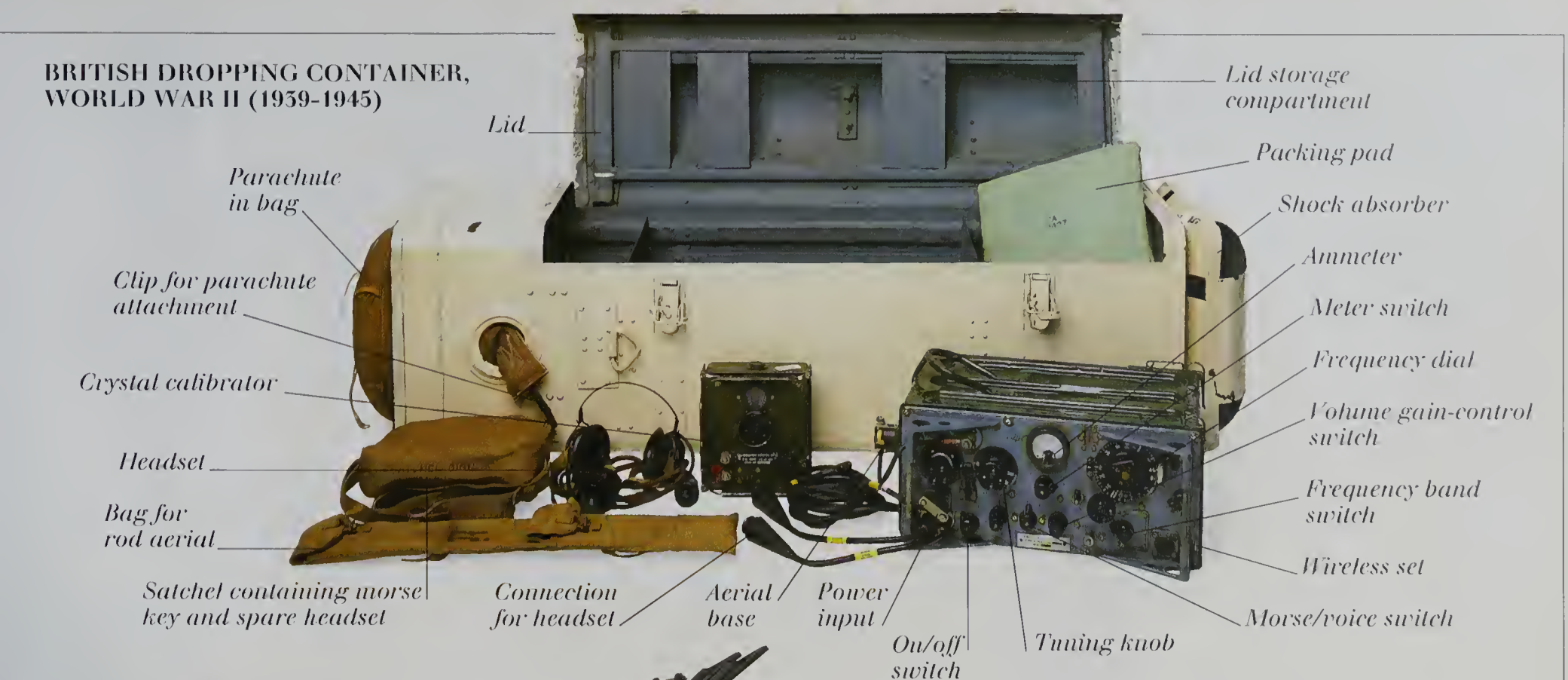


BRITISH FOLDING MOTORCYCLE (WELBIKE), WORLD WAR II (1939-1945)

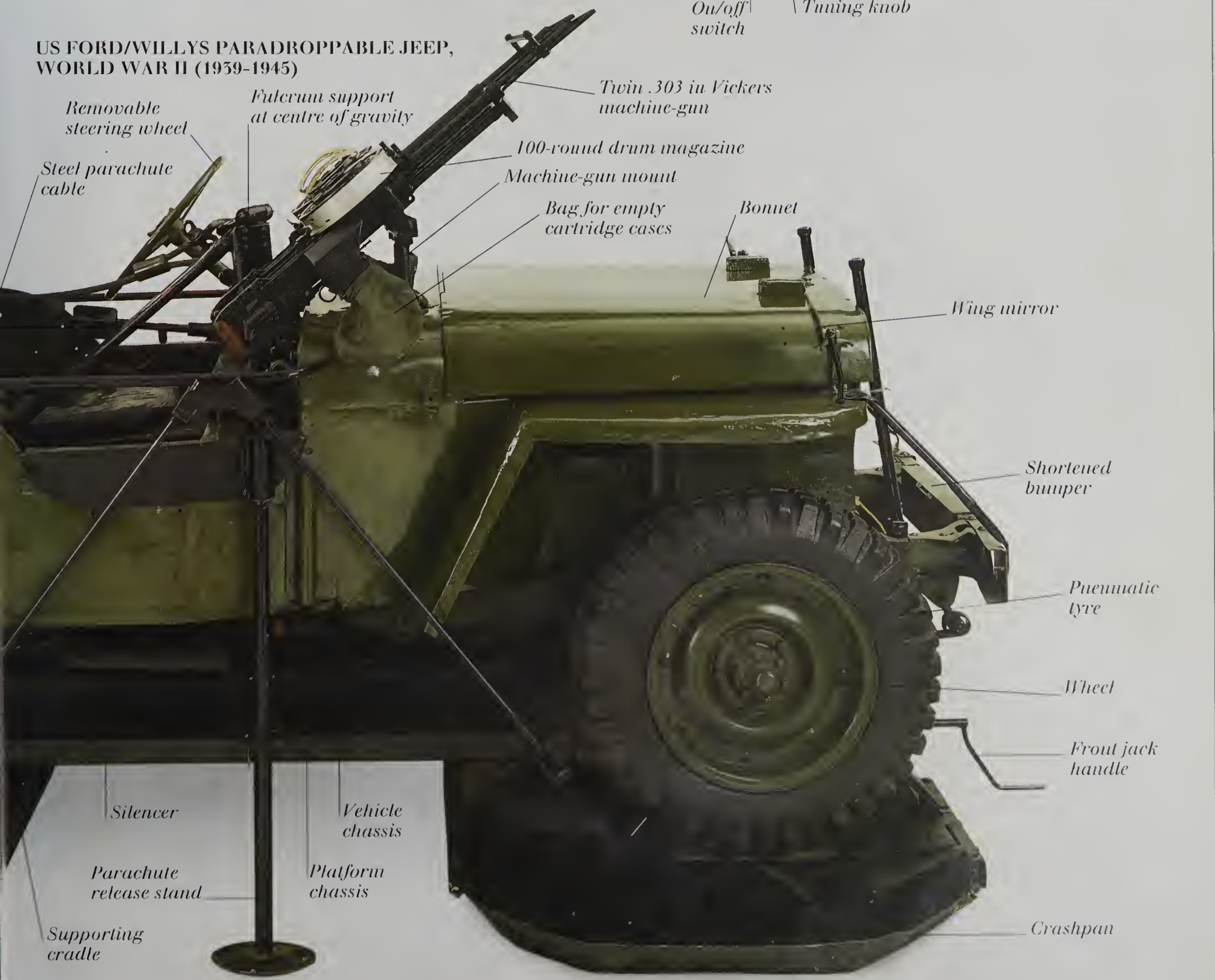




BRITISH DROPPING CONTAINER, WORLD WAR II (1939-1945)



US FORD/WILLYS PARADROPPABLE JEEP, WORLD WAR II (1939-1945)



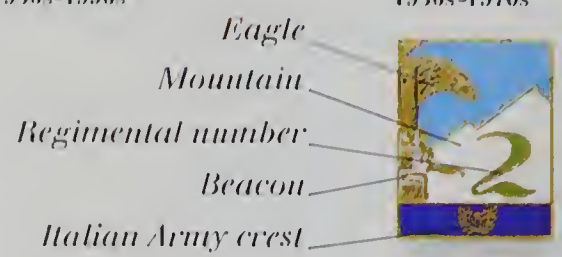
Mountain forces

THE ARMED FORCES OF MANY NATIONS have groups specially trained in techniques of mountain warfare. These groups have to be skilled at climbing and at surviving in hostile mountain conditions, as well as being able to fight effectively in the difficult terrain. Mountain forces often use weapons that are specially adapted for the terrain. Howitzers are particularly suitable weapons for mountain warfare because the barrel can be raised high enough to fire over peaks. As it is difficult to transport standard artillery in remote mountainous regions, specially modified guns are used. For example, the 3.7-inch mountain howitzer shown here has been adapted so that it can be broken down into eight parts, each of which is light enough to be carried by a mule.

EXAMPLES OF MOUNTAIN FORCES' INSIGNIA

GERMAN ARMY, 24TH MOUNTAIN BRIGADE, 1950s–1990s

FRENCH ARMY, 159TH ALPINE REGIMENT, 1950s–1970s

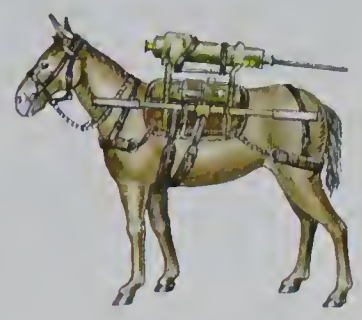


ITALIAN ARMY, 2ND ALPINE ARTILLERY REGIMENT, 1960s–1990s

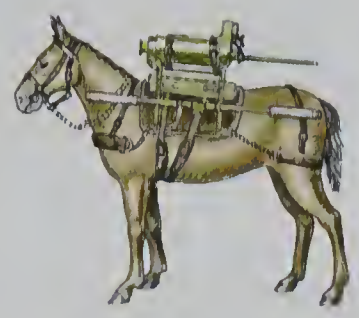
BRITISH 3.7 IN MARK IV MOUNTAIN HOWITZER, WORLD WAR II (1939–1945)

Shield
Bore
Securing ring
Stop ring
Muzzle
Junction nut
Slipper
Rocking bar sight
Dial sight bracket
Cradle cap
Range drum
Firing lever
Cradle
Breech ring
Lifting loop
Carrier
Traversing handle
Pneumatic tyre
Firing mechanism cover
Wheel
Breech mechanism lever
Wheel release handle
Shackle for drag rope
Drag washer
Rammer
Firing lever bracket
Elevating hand-wheel
Lifting handle
Wheel lock
Front carriage trail

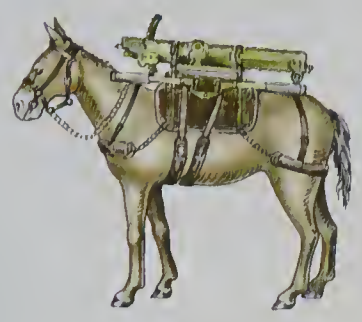
DISASSEMBLED MOUNTAIN HOWITZER ON MULE TEAM



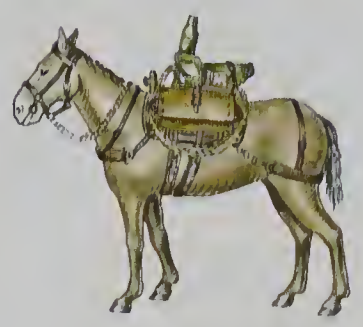
HOWITZER BORE



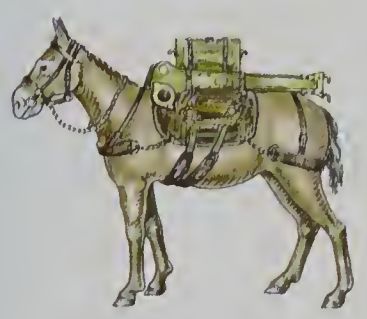
HOWITZER BREECH



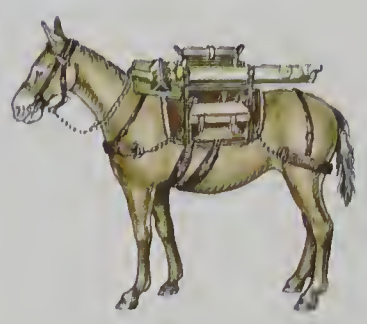
HOWITZER CRADLE



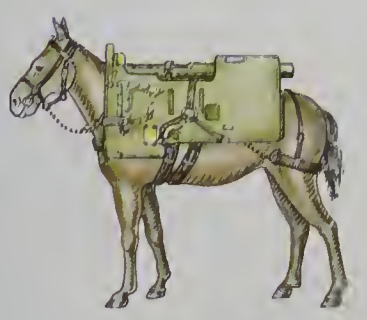
HOWITZER PIVOT



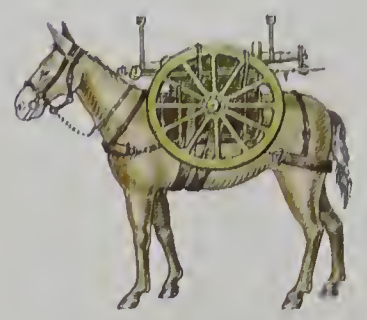
HOWITZER FRONT CARRIAGE TRAIL



HOWITZER REAR CARRIAGE TRAIL



HOWITZER SHIELD AND SLIPPER

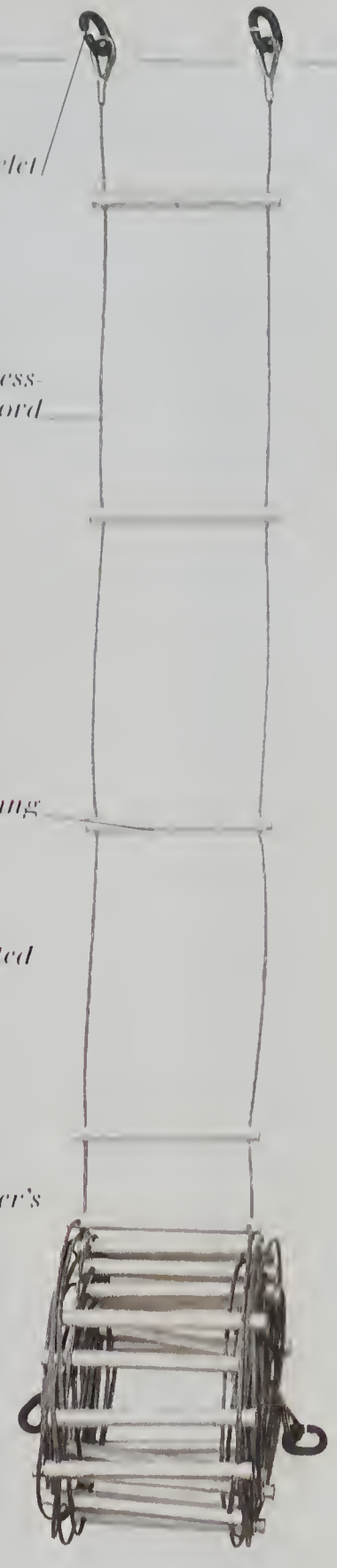


HOWITZER WHEELS AND AXLE

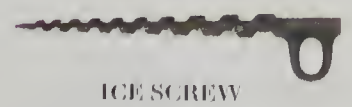
CLIMBING EQUIPMENT, 1990s

CLIMBING ROPE

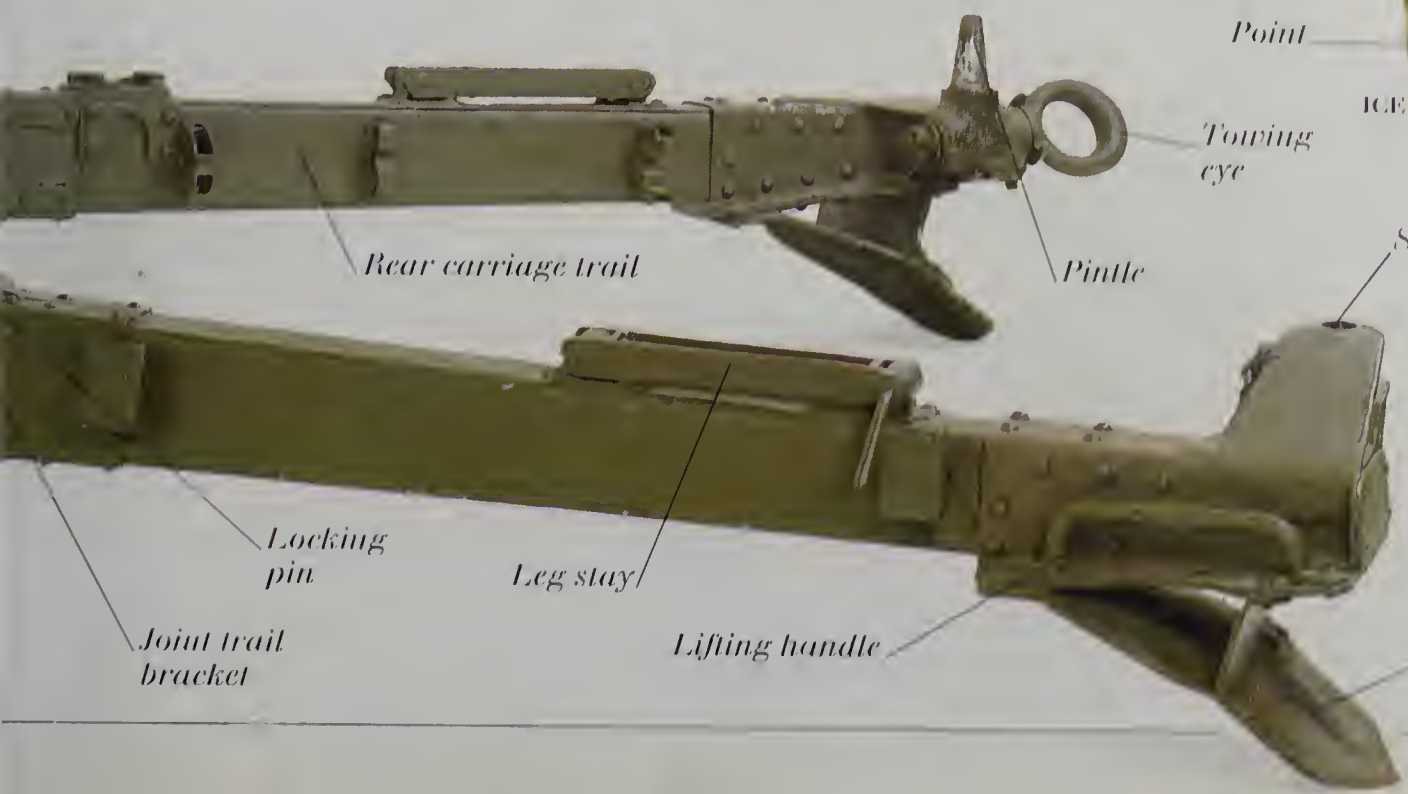
ICE AXE

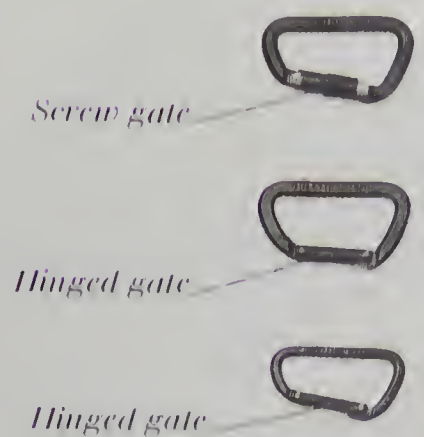


STAINLESS-STEEL LADDER



ICE SCREW



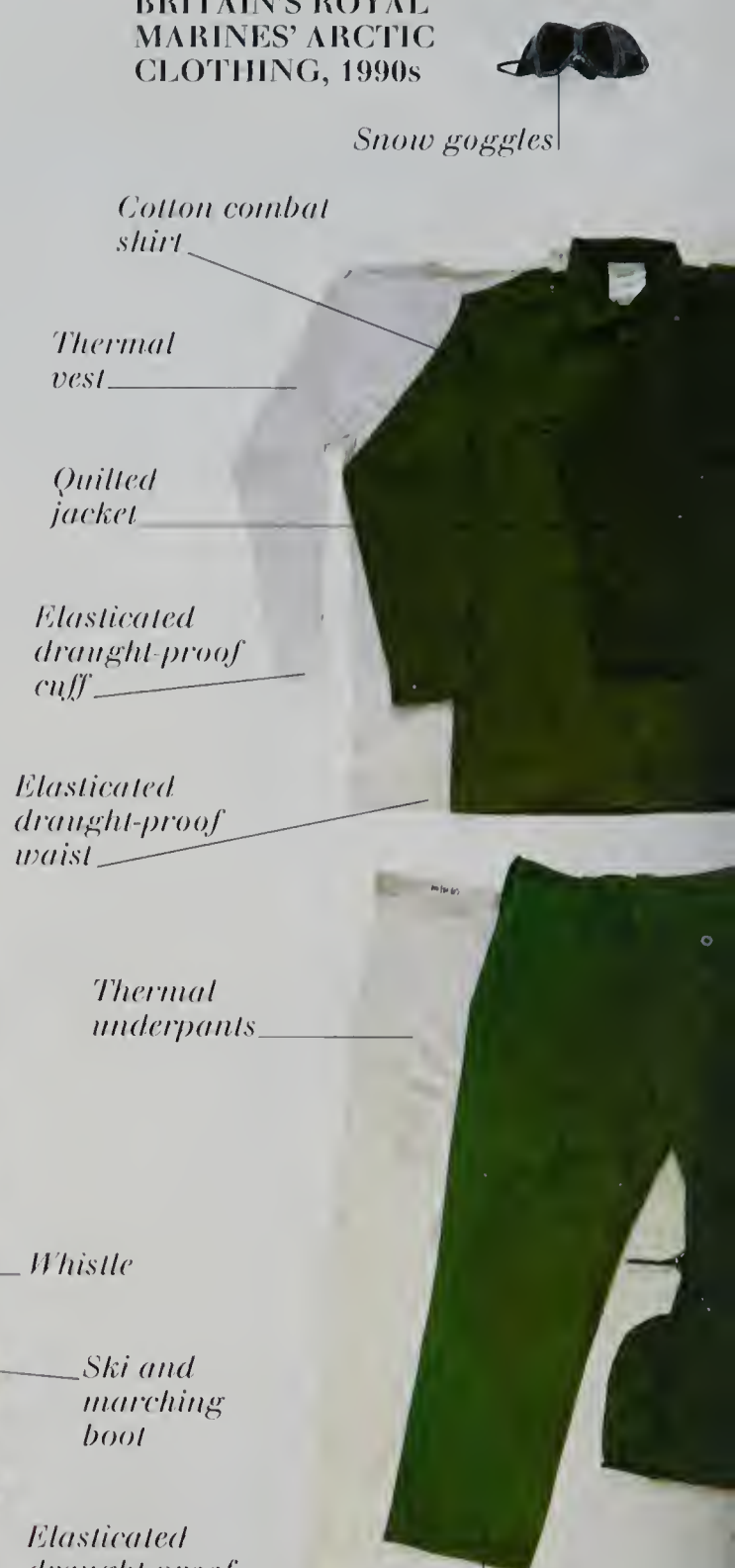


KARABINERS

Arctic forces

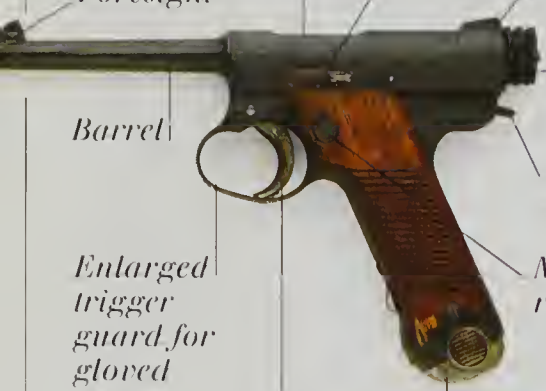
THE ICY WILDERNESSES OF THE ARCTIC and Antarctic regions are among the most demanding environments in the world for military operations. In these regions, temperatures of -40°C (-40°F) are common, and the most important consideration is to ensure that troops keep warm enough to operate effectively. Consequently, the soldiers eat a high-energy diet and wear many layers of clothing, from an inner layer of thermal underwear to an outer snow-camouflage parka and trousers. They are also equipped with dark goggles to prevent snow-blindness, face masks, insulated footwear, two or more pairs of gloves, and skis. Some weapons have been modified to make them suitable for use by Arctic forces. For example, the Finnish Lahti anti-tank rifle is fitted with short skis for towing over snow and ice, and the Japanese Taisho pistol has an enlarged trigger guard so that it can be used when wearing thick gloves.

BRITAIN'S ROYAL MARINES' ARCTIC CLOTHING, 1990s

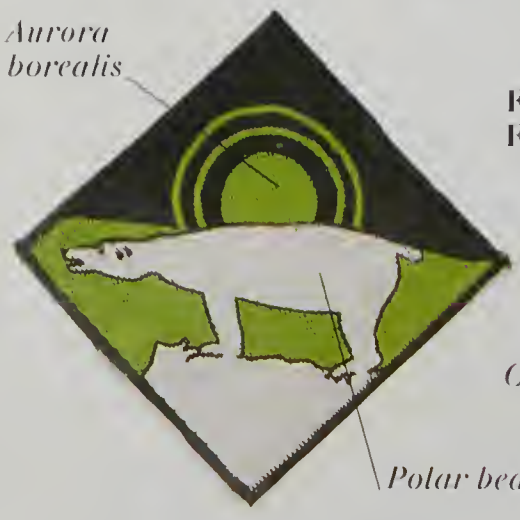


BRITAIN'S ROYAL MARINES' ARCTIC FOOTWEAR, 1990s

JAPANESE TAISHO 14 8 MM AUTOMATIC PISTOL, WORLD WAR II (1939-1945)



EXAMPLES OF ARCTIC FORCES' INSIGNIA



NORWEGIAN ARCTIC UNIT, 15TH ROYAL REGIMENT, 1950s-1990s

BRITAIN'S ROYAL MARINES MOUNTAIN AND ARCTIC CADRE, MOUNTAIN LEADER, 1981-1990s

ROYAL NETHERLANDS MARINE CORPS, ARCTIC UNIT, 1970s-1991

BRITAIN'S ROYAL MARINES' SKI EQUIPMENT, 1990s

Wire-framed hood
Protective face mask
Hood
Contact gloves
Rubber-dot grips
Ski ring
Snow-camouflage outer parka
Wrist band
Waterproof mittens
Woollen mittens
Waterproof and windproof parka
Spring and strap fittings for boots
Quilted trousers
Snow-camouflage outer trousers
Handgrip
Waterproof and windproof trousers
Velcro fastening
Ski poles
Skis
Ski skins for gripping snow when going uphill

FINNISH LAHTI 20 MM L39 ANTI-TANK RIFLE, WORLD WAR II (1939-1945)

10-round magazine
Rear sight
Foresight
Cover for magazine housing
Magazine release catch
Safety lever
Wooden cheek-rest
Gas port
Piston tube
Rubber recoil pad
Cocking handle
Bipod
Pistol grip
Ski bipod
Trigger
Trigger guard
Short ski
Grip safety

Snipers

MANY SPECIAL FORCES HAVE SNIPERS who are trained to shoot at selected targets from a concealed position. As well as being a good marksman, a sniper must be an expert in concealment in order to take the target unaware. Camouflage-patterned clothing, such as the modern gillie suit, helps to disguise the sniper because it breaks up the outline of the body. Sniper rifles used to be standard rifles fitted with telescopic sights, such as the World War I Canadian Ross rifle. Later, however, rifles were developed specifically for snipers; examples include the Japanese Type 97 and the Soviet Dragunov rifles. Modern sniper rifles are extremely accurate and are made of new materials, including plastics. The latest weapons, such as the German Heckler and Koch sniper's rifle, can be adjusted to suit the individual sniper's requirements.

BRITISH SNIPER'S CAMOUFLAGE (GILLIE SUIT), 1990s

Neck cover
Helmet cover
Face veil
Jacket
Drawstring
Binoculars
Rifle sling
Elasticated cuff
Glove
Sniper rifle with telescopic sight
9 mm pistol
Secateurs
Telescope
Lens cleaning cloth
Camouflage cream
Oil bottle
Rifle magazine
Pistol magazine
Cleaning cloth
Rifle pull-through
Prismatic compass
Knee pad
Trousers
Pocket

BRITISH SNIPER'S CAMOUFLAGE, WORLD WAR I (1914-1918)

Integral hood
Slit for eye
Neck fastening
Hole for breathing
Face flap for tucking into collar
Cuff
Belt
Hand-painted camouflage

Sniper's mitten
Trigger finger
Thumb

GERMAN HECKLER AND KOCH 7.62 MM PSG1 SNIPER'S RIFLE, 1990s

Cocking handle
Barrel
Sling swivel
Sling
Shoulder pad

CANADIAN ROSS .303 IN MK III SNIPER'S RIFLE, WORLD WAR I (1914-1918)

JAPANESE 6.5 MM TYPE 97 SNIPER'S RIFLE, c.1937

SOVIET DRAGUNOV 7.62 MM SNIPER'S RIFLE, c.1963

Special military vehicles

SPECIAL FORCES USUALLY OPERATE IN SMALL GROUPS and are often sent on missions to areas that are inaccessible to large contingents of conventional troops. Furthermore, the areas to which they are sent are often extremely inhospitable, with difficult terrain and harsh climates, such as deserts, mountains, and jungles. To transport people and equipment to such areas, and to operate effectively when they are there, special forces need vehicles that are reliable and adaptable. The US High-Mobility, Multipurpose Wheeled Vehicle ("HUMVEE" or "HUMMER") has a four-wheel drive that enables it to be used in even the roughest conditions. It may also be adapted for other functions, such as that of an ambulance, a communications vehicle, or an armament carrier. The US "Huey" helicopter was one of the first to be used specifically for military assaults. The Huey was used during the Vietnam War to land special forces in isolated jungle areas, as well as being used by conventional troops and as a helicopter gunship. For some covert missions, special forces may use lightweight boats, such as the Klepper Kayak, used by Britain's Special Boat Service. This kayak can be disassembled easily so that it can be carried by hand or dropped by parachute.

US UH-1 ("HUEY") HELICOPTER, 1960s-1990s

US HIGH-MOBILITY, MULTIPURPOSE WHEELED VEHICLE ("HUMVEE" OR "HUMMER"), 1980s-1990s

M60 7.62 mm machine-gun
Machine-gun mount
Aerial
Aerial mount
Wing mirror
Air filter
Cargo hood attachment
Front air-lift bracket
Side marker light
Reflector
Side marker light
Reflector
Front lift shackle
Pneumatic tyre
Side armour plate
Rear air-lift bracket
Fuel cap
Ballistic door
Ring mount for gun
Seatbelt
FM radio
Bonnet latch

FM communications aerial
Tail rotor
Main rotor blade
Tail rotor gearbox
Vertical fin
Synchronized elevator
Drive shaft casing
Tail boom
Aft position light
Tail skid
Navigation aerial

BRITISH KLEPPER KAYAK, 1960s-1990s

Spray deck tie
Body ring
Spray deck clamp
Spray deck
Paddle securing strap
Keel tension bracket
Lacing eye
Paddle pocket
Painter
Bailer
Keel
Paddle
Outer skin
Lifting eye
Stern
Bow

Military surveillance

ARMED FORCES OFTEN USE clandestine surveillance – secret observation – to discover an enemy's movements and plans. There are two main groups of surveillance equipment: listening devices (commonly known as bugs), and visual surveillance equipment. Listening devices essentially consist of a microphone and transmitter. Such devices are small enough to be hidden inside many everyday objects, such as batteries or electric plugs. When in place, the listening device picks up sounds and transmits them to a listening post, which may be several kilometres away. Visual surveillance devices include relatively simple monoculars and cameras fitted with telephoto lenses, such as the Soviet Foto-Sniper camera, which may be used to obtain detailed photographs of distant objects. More sophisticated devices include night-vision goggles and special binocular telescopes fitted with electronic image-intensifiers that amplify ambient light so that it is possible to see in almost complete darkness.

YELLOW FILTER

ORANGE FILTER

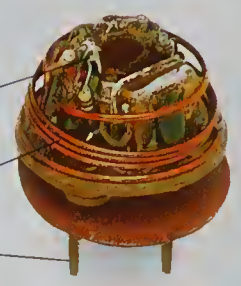
ULTRAVIOLET FILTER

GREEN FILTER

YELLOW FILTER

US ELECTRIC PLUG CONTAINING LISTENING DEVICE, 1960s

Electric plug casing



Listening device

Aerial

Pin

US BATTERY INTERIOR CONTAINING LISTENING DEVICE, 1960s

Positive terminal

Inner battery casing

Aerial

Listening device

BRITISH MINIATURE MONOCULAR, WORLD WAR II (1939-1945)

Brass body

Eyepiece

SOVIET FOTO-SNIPER SURVEILLANCE CAMERA, 1960s-1970s

300 mm telephoto lens

Lens aperture ring

Kalimar SR-200 single lens reflex camera

Rubber eyecup

Spare 58 mm lens

Camera body locking mount

Rubber lens hood

Shoulder strap fitting

Focusing ring

Securing device for holding lens to shoulder stock

Shutter-release trigger mechanism

Shutter-release trigger

Shoulder stock attachment

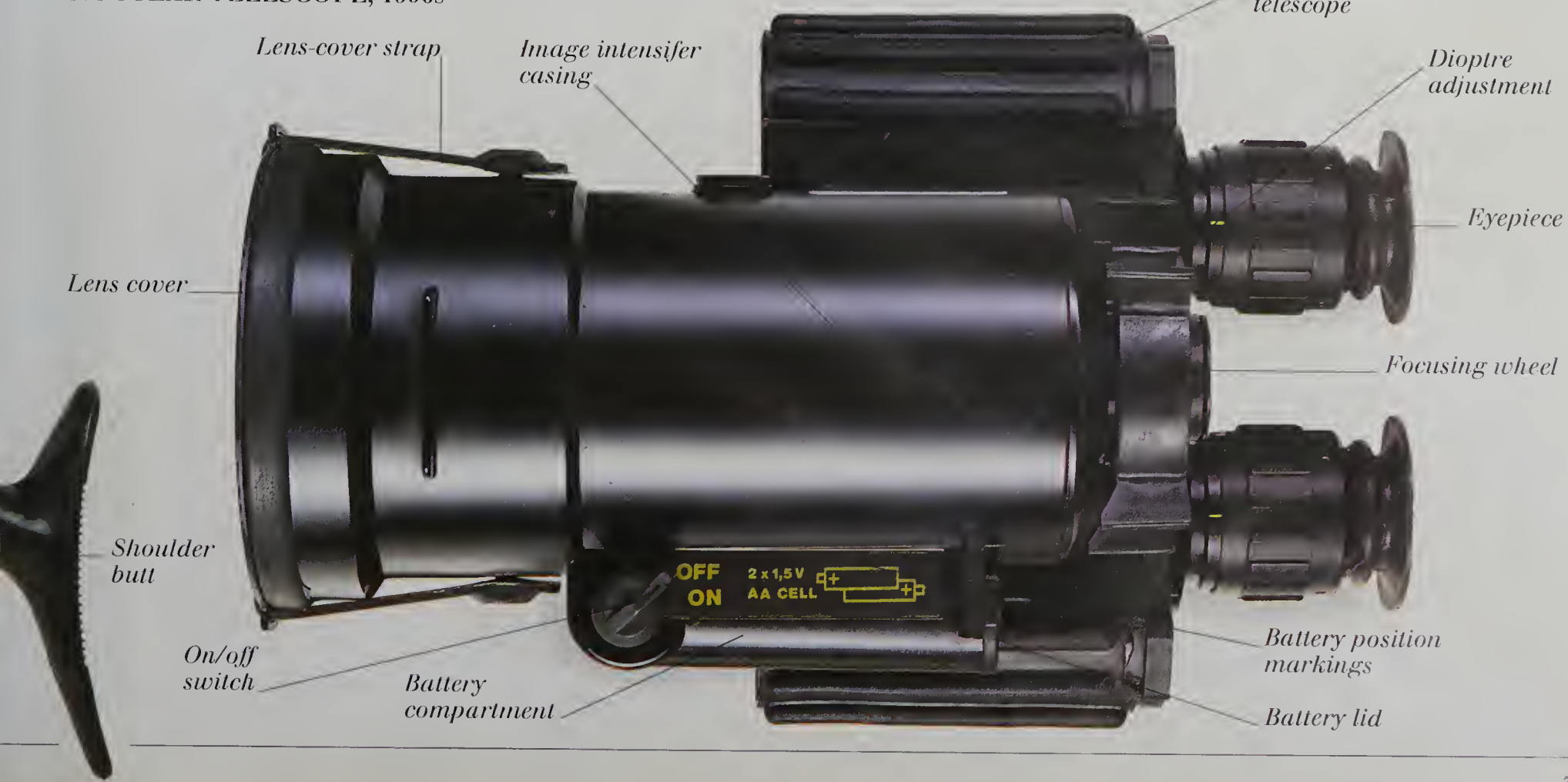
Pistol grip

Removable shoulder stock

Shoulder strap fitting

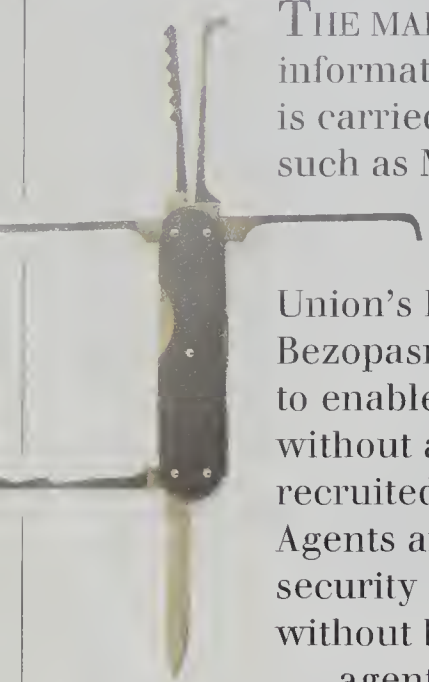
DUTCH NIGHT-VISION GOGGLES, 1990s

BRITISH SIMRAD DAY- AND NIGHT-VISION BINOCULAR TELESCOPE, 1990s



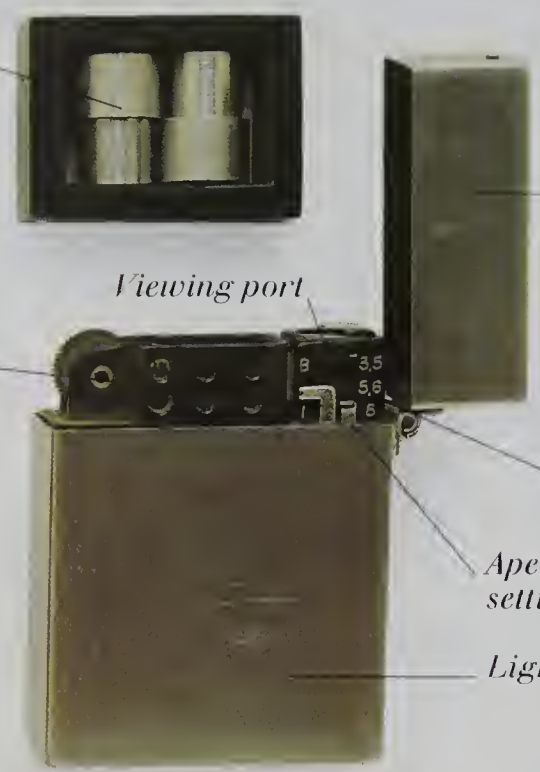
Espionage 1

THE MAIN PURPOSE OF ESPIONAGE is to gain secret information about an enemy. This clandestine work is carried out by agents of intelligence organizations, such as MI6 (the British Secret Service), the CIA (the US Central Intelligence Agency), and the former Soviet Union's KGB (the Komitat Gosudarstvennoi Bezopasnosti). Such agents may be given false identities to enable them to move around freely in enemy territory without arousing suspicion. In some cases, they may be recruited from among the ranks of the enemy itself. Agents are trained in techniques of infiltrating high-security establishments and gathering information without being detected. To help them in these tasks, agents are often equipped with a variety of specially designed devices, such as concealed or disguised cameras and tape-recorders, lockpicks, and portable photocopying machines.



US LOCKPICK KNIFE, WORLD WAR II (1939-1945)

JAPANESE ECHO 8 CIGARETTE LIGHTER CAMERA, 1950s



FRENCH ESPIONAGE CAMERA, WORLD WAR II (1939-1945)

US INTELLIGENCE SERVICES' PHOTO-SURVEILLANCE BRIEFCASE, 1960s

SOVIET KGB CIGARETTE PACK CAMERA, 1970s

SOVIET F-21 TYPE II SURVEILLANCE CAMERA, 1970s-1980s

Pocket control unit
Thumb lever for setting aperture
Squeeze trigger for firing shutter
Remote shutter release cable
Frame counter
Lens
Locking collar
Winding knob
Shutter release
Shutter speed dial
Synchronization lever
Attachment for waist belt
Camera cover
False button with opening for lens
Camera locking lever

SWISS ABC STEINECK WRIST CAMERA, 1950s

Wrist strap
Right-angle viewfinder
Lens
Film cassette indicator
Shutter release
Direct vision viewfinder
Setting for dim light
Aperture setting knob
Setting for bright light
Manufacturer's mark

GERMAN MINOX MINIATURE CAMERA AND ACCESSORIES, 1960s

Focusing distance marker
Belt loop ring

MEASURING CHAIN

Attachment for camera

Handle
Negative holder
Eyepiece

NEGATIVE VIEWER

Development processing thermometer
Light-tight opening for adding developing liquid
Groove for film
Film holder
Thermometer case
Daylight developing tank

DAYLIGHT DEVELOPING KIT

Frame counter
Shutter speed dial
Film speed dial
Focusing dial
Shutter release
Lens
Meter cell
Viewfinder

CAMERA

Attachment to camera body
Reflector

FLASH ATTACHMENT

Camera attachment knob
Camera bracket
Opening for lens
Telescopic leg
Rubber tip
Cable release

COPY STAND

Mirror
Opening for meter cell
Right-angle viewing attachment
Camera bracket
Ball-and-socket joint
Legs of tripod (fit inside main leg)
Hollow main leg
Cable release

TRIPOD

Espionage 2

US INTELLIGENCE SERVICES' RECTAL TOOLKIT, 1960s

Plastic case for rectal concealment

Cutting blade bits

Saw blade bits

Reamer bit

Pliers/wirecutters

File bit

Grinding bit

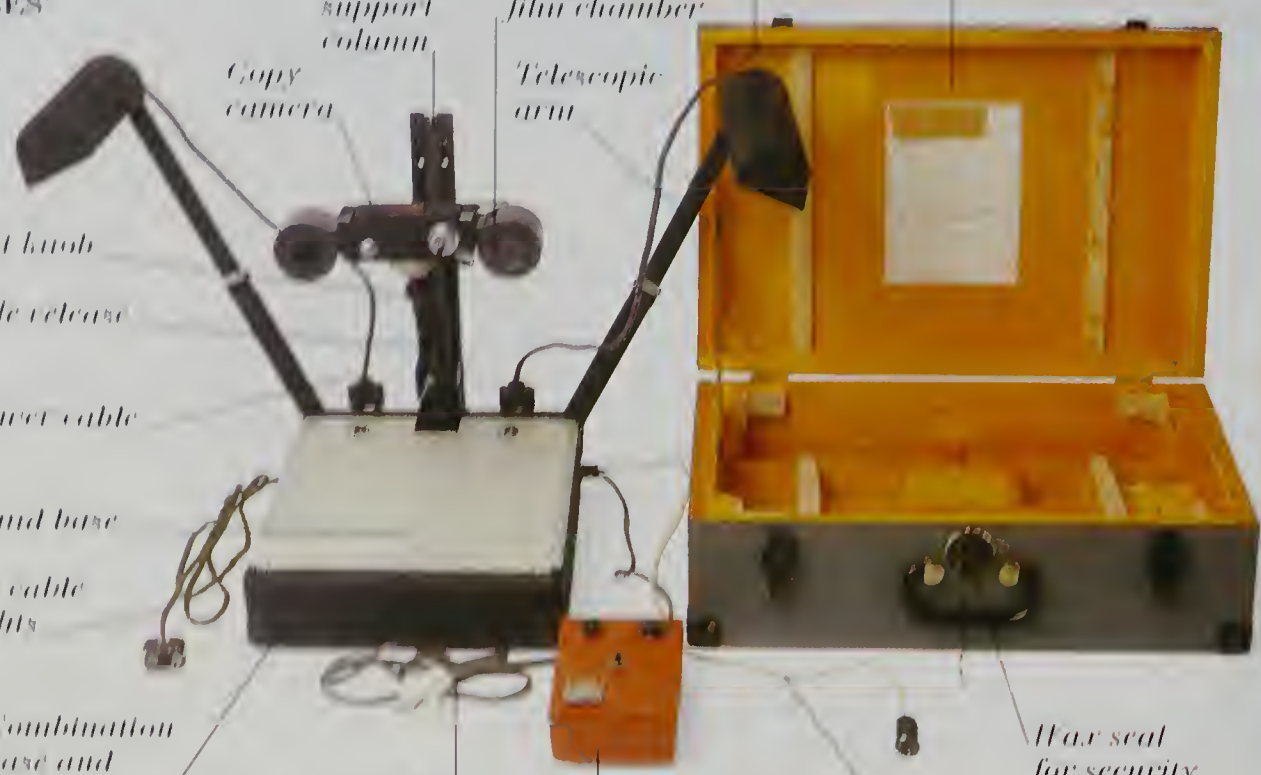
Reamer bit

Drill bit

Insertion point for tool bits

Handle for tools

SOVIET KGB DOCUMENT COPY CAMERA, 1980s



Carrying case

Light

Large capacity film chamber

Camera support column

Copy camera

Telescopic arm

Column adjustment knob

Cable release

Power cable

Copy stand base

Power cable for lights

Combination base and storage box

Power cable for control box

Power supply and control box

Cable for control box

Wax seal for security

US INTELLIGENCE SERVICES' DISGUISE KIT, 1960s

Case for moustache material

Moustache in case

Comb

Trimming scissors

Comb

Cold cream

Instruction manual showing moustache shapes

Dyeing brush

Moustache material

False heel for altering gait

Mixing dish

Mixing dish

Spirit glue

Cloth

Travel case

Cotton bud

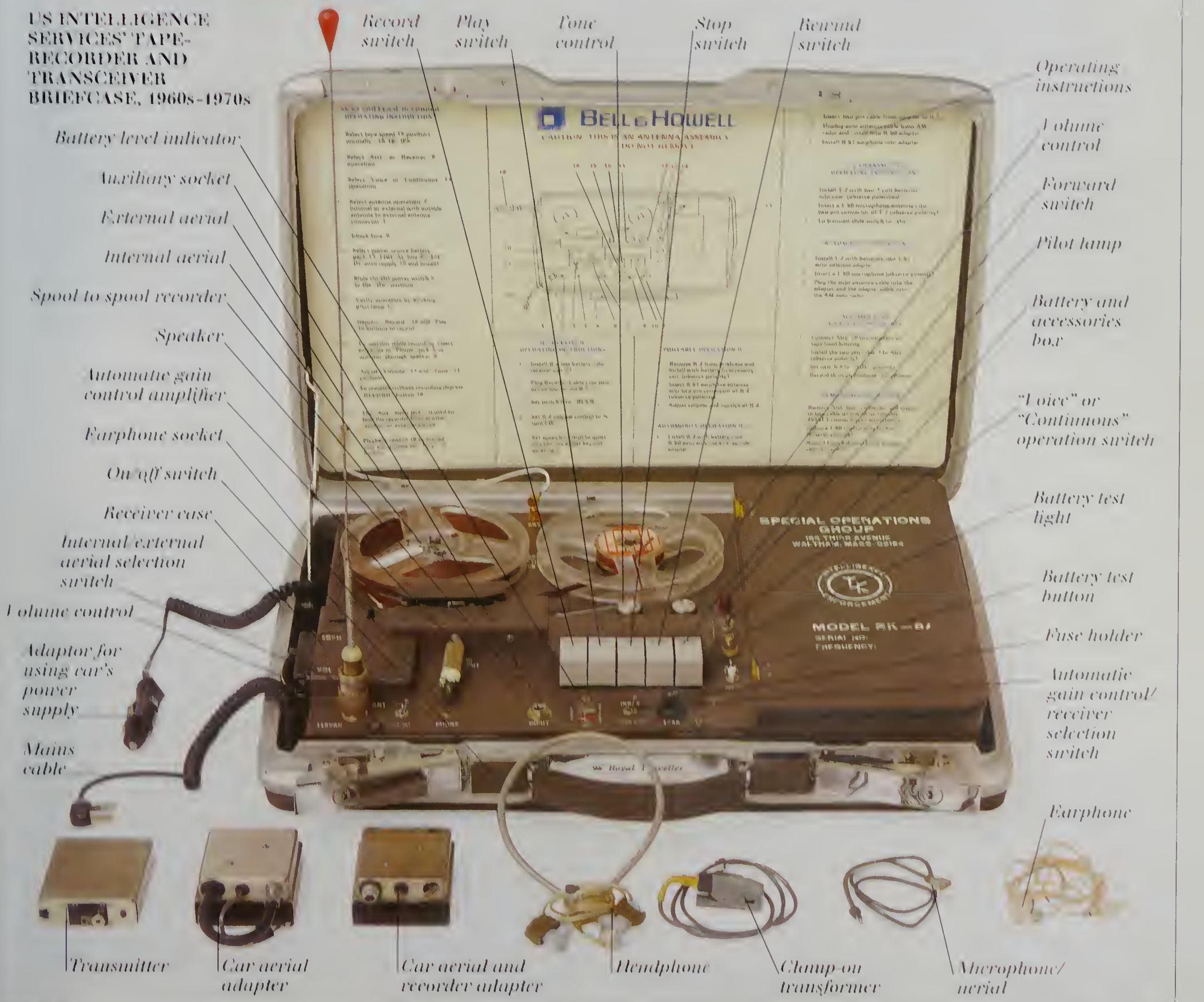
Mirror

Tweezers

Mixing dish

US INTELLIGENCE SERVICES' KEY-CASTING KIT, 1960s

US INTELLIGENCE SERVICES' TAPE-RECORDER AND TRANSCEIVER BRIEFCASE, 1960s–1970s

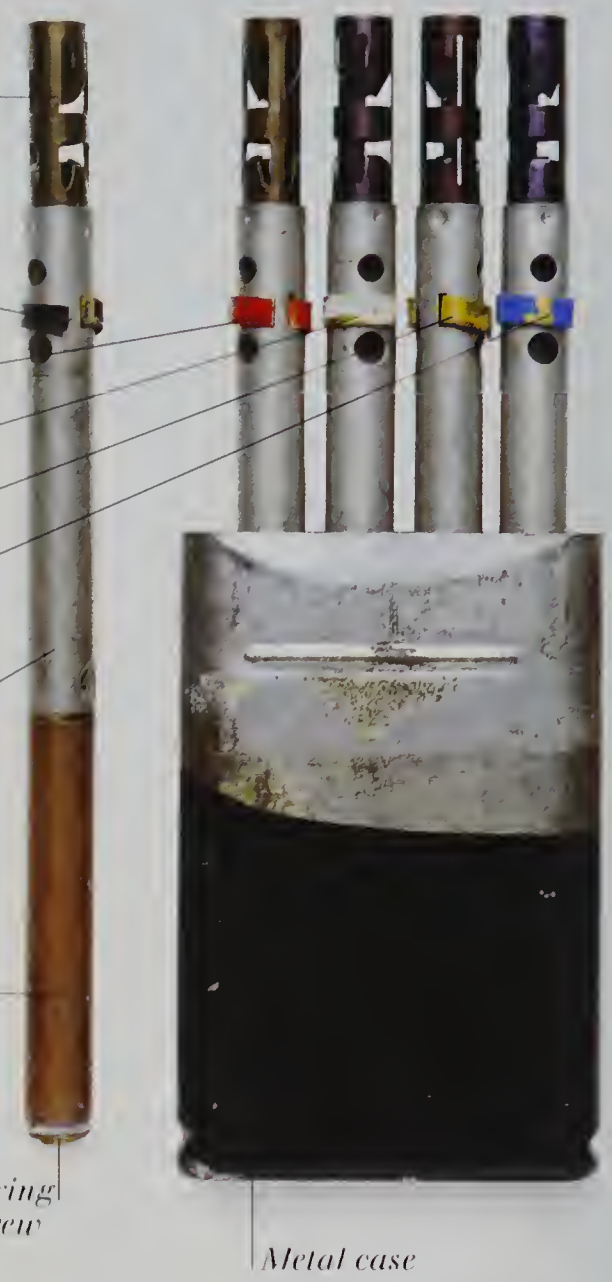


Sabotage

BRITISH No.82 "GAMMON" GRENADE, WORLD WAR II (1939-1945)

SABOTAGE IS THE COVERT destruction of important enemy equipment and installations, such as airfields, railways, and bridges. Acts of sabotage not only cause destruction but may also disrupt enemy movements, supply lines, and communications. Because of the need for secrecy, sabotage is usually carried out by individual agents or small groups of special forces. Saboteurs often use plastic explosives, which may be moulded into different shapes; other explosive devices used include grenades and demolition charges. These devices may be concealed or camouflaged, such as the magnetic "clam" demolition charge, which may be hidden on a vehicle, and the explosive disguised as coal, used to blow up steam engines. The explosives are often fitted with switches and time-delay fuses to enable saboteurs to escape unharmed.

BRITISH TIME-DELAY "PENCIL" FUSE, WORLD WAR II (1939-1945)

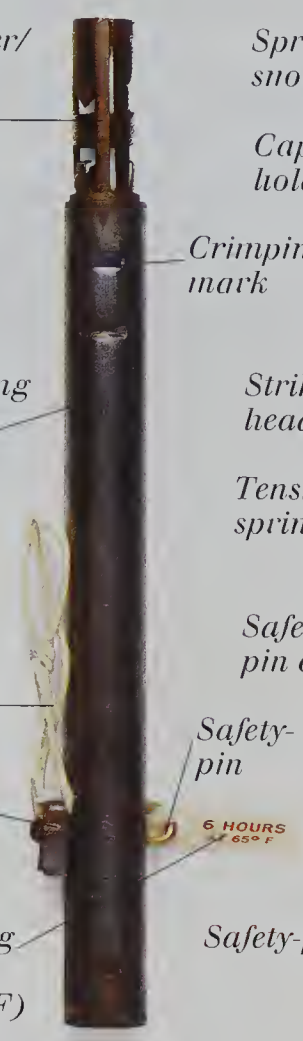


US KIT FOR MAKING "EXPLOSIVE COAL", WORLD WAR II (1939-1945)

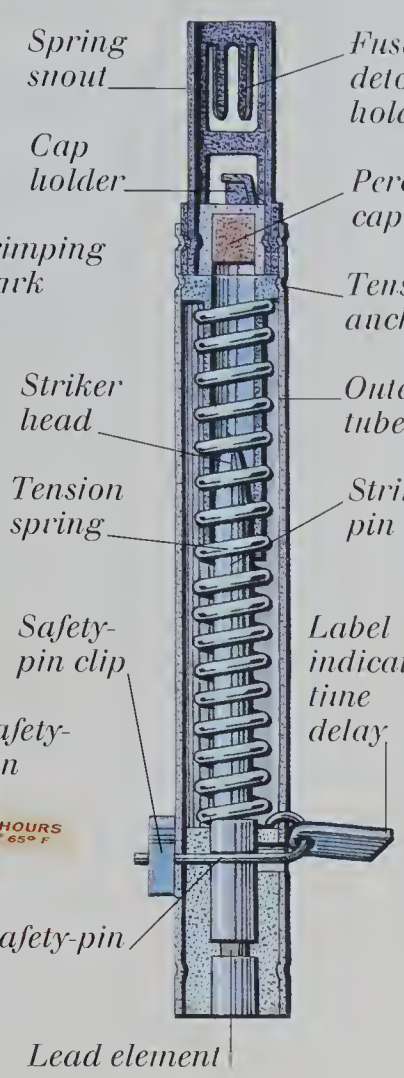
BRITISH No.36 M GRENADE ("MILLS BOMB"), WORLD WAR II (1939-1945)

INTERIOR OF TIME-DELAY "PENCIL" FUSE, WORLD WAR II (1939-1945)

BRITISH "L-DELAY" FUSE, WORLD WAR II (1939-1945)

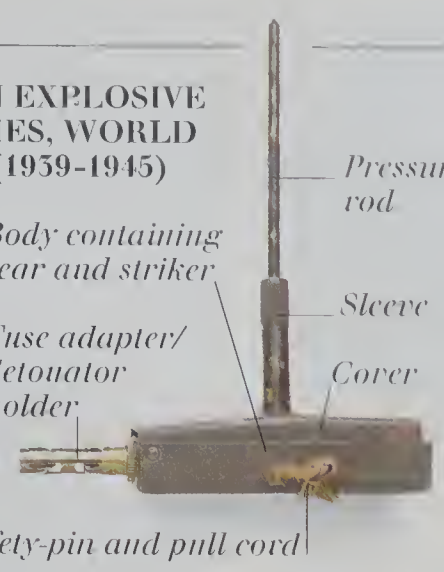


EXTERIOR OF FUSE

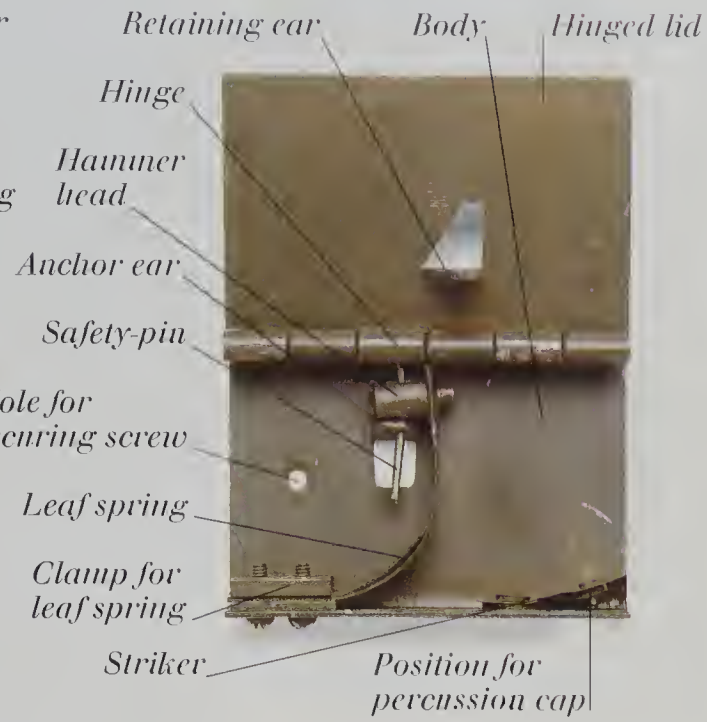


INTERIOR OF FUSE

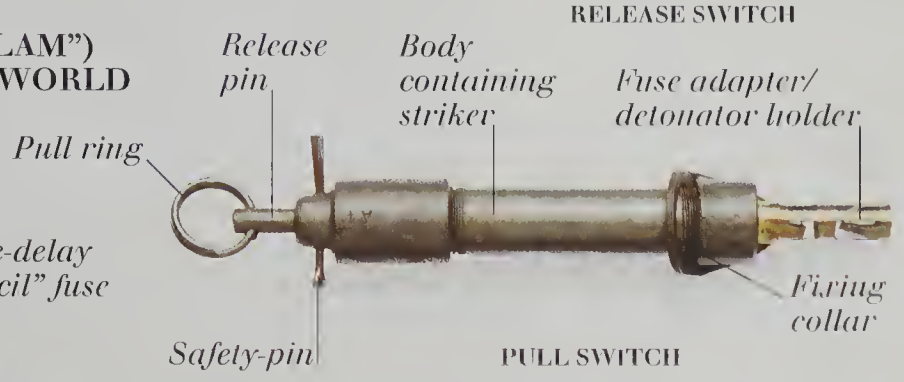
BRITISH EXPLOSIVE SWITCHES, WORLD WAR II (1939-1945)



PRESSURE SWITCH

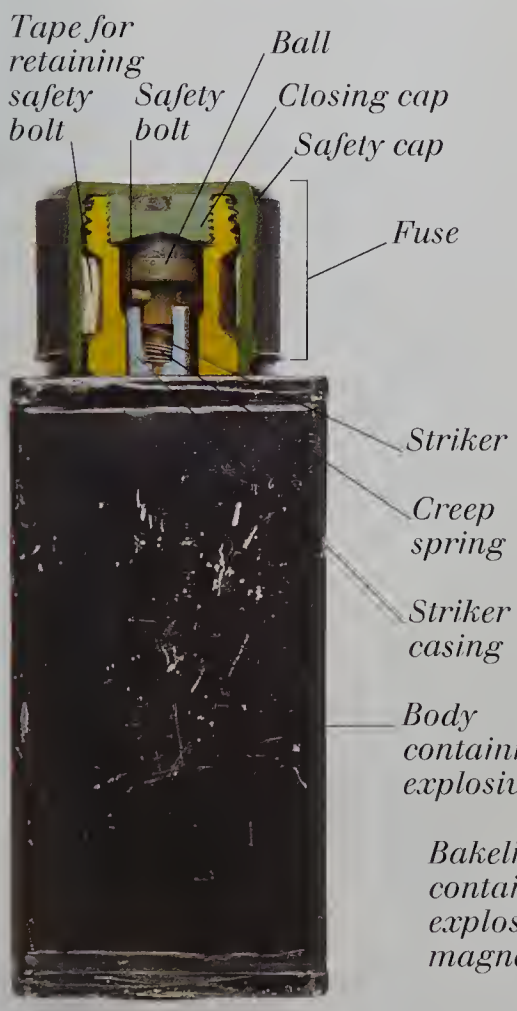


RELEASE SWITCH

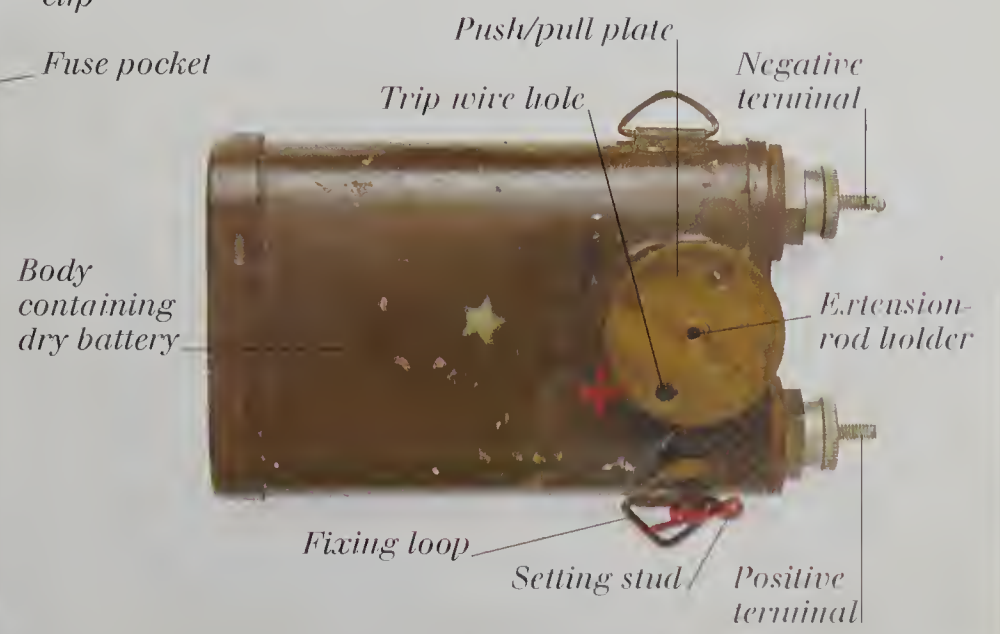


PULL SWITCH

BRITISH GENERAL PURPOSE GRENADE, WORLD WAR II (1939-1945)

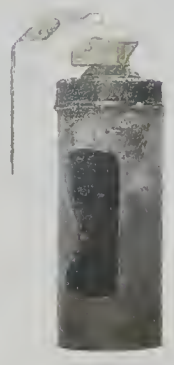


BRITISH MAGNETIC ("CLAM") DEMOLITION CHARGE, WORLD WAR II (1939-1945)



PUSH-PULL SWITCH

Counter-revolutionary units



BRITISH STUN GRENADE (EXPLODED), 1980s

THE GROWTH OF INTERNATIONAL terrorism has led to the formation of various elite counter-revolutionary forces, such as the Counter Revolutionary Unit of Britain's Special Air Service (SAS) and Germany's Grenzschutzgruppe 9, part of the Bundesgrenschutz (German border guard). Soldiers in counter-revolutionary units undergo specialized training, not only in combat techniques, but also in methods of psychological warfare. Counter-revolutionary units usually operate in small teams of two or four men. Typically, they wear protective body armour and are armed with special weapons, such as the light but accurate Heckler and Koch MP5 submachine-gun, the Browning 9 mm automatic pistol, and magnesium-based stun grenades that are designed to shock terrorists without causing injury.

BRITISH SPECIAL AIR SERVICE'S BADGE, 1950-1990s

BRITISH SPECIAL AIR SERVICE'S HOLSTER, 1980s

Magazine pouch
Belt loop
Holster
Buckle
Retaining flap
Waist belt
Stud fastener
Browning 9 mm automatic pistol
Buckle
Webbing thigh strap
Attachment loop

GERMAN HECKLER AND KOCH 9 MM MP5A3 SUBMACHINE-GUN, 1990s

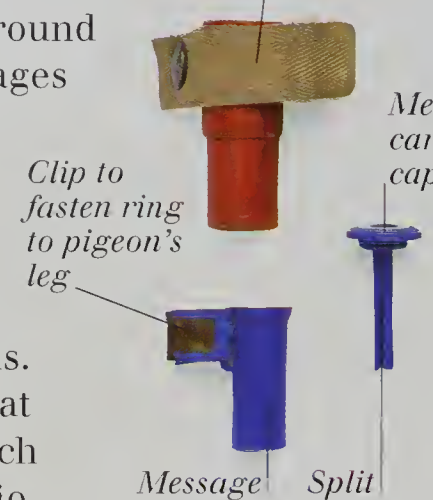
Sling eye bolt
Foresight
Cocking handle
Bolt head carrier
Firing pin and spring
Hammer
Rotary rear sight
Pressure spring
Butt rail
Locking pin for hand-guard
Locking piece
Guide rod
Recoil spring
Ejector
Rear sling fitting
Adjustable butt
Lug for securing blank firing device
Plastic hand-guard
9 mm parabellum round
Locking pin for grip assembly
Locking pin for butt assembly
Follower and spring
Single-shot position
Sear
Safety catch/ firing selector
Trigger
30-round magazine
Trigger guard
Fully-automatic position
Magazine release catch
Plastic pistol grip

GERMAN BORDER GUARD (BUNDESGRENZSCHUTZ) BADGES, 1972-1990s

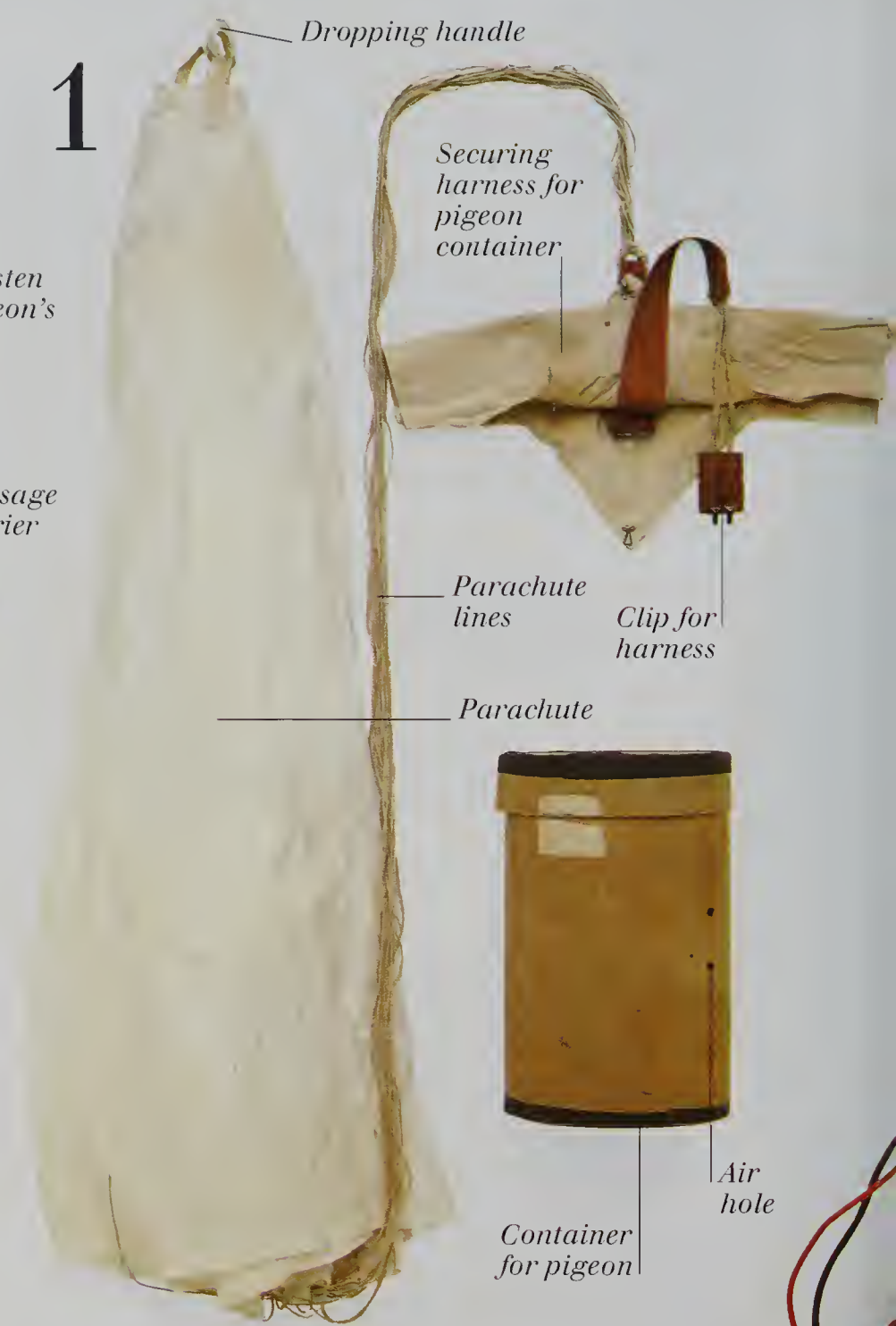
BRITISH SPECIAL AIR SERVICE'S PERSONAL EQUIPMENT, 1980s

Military communications 1

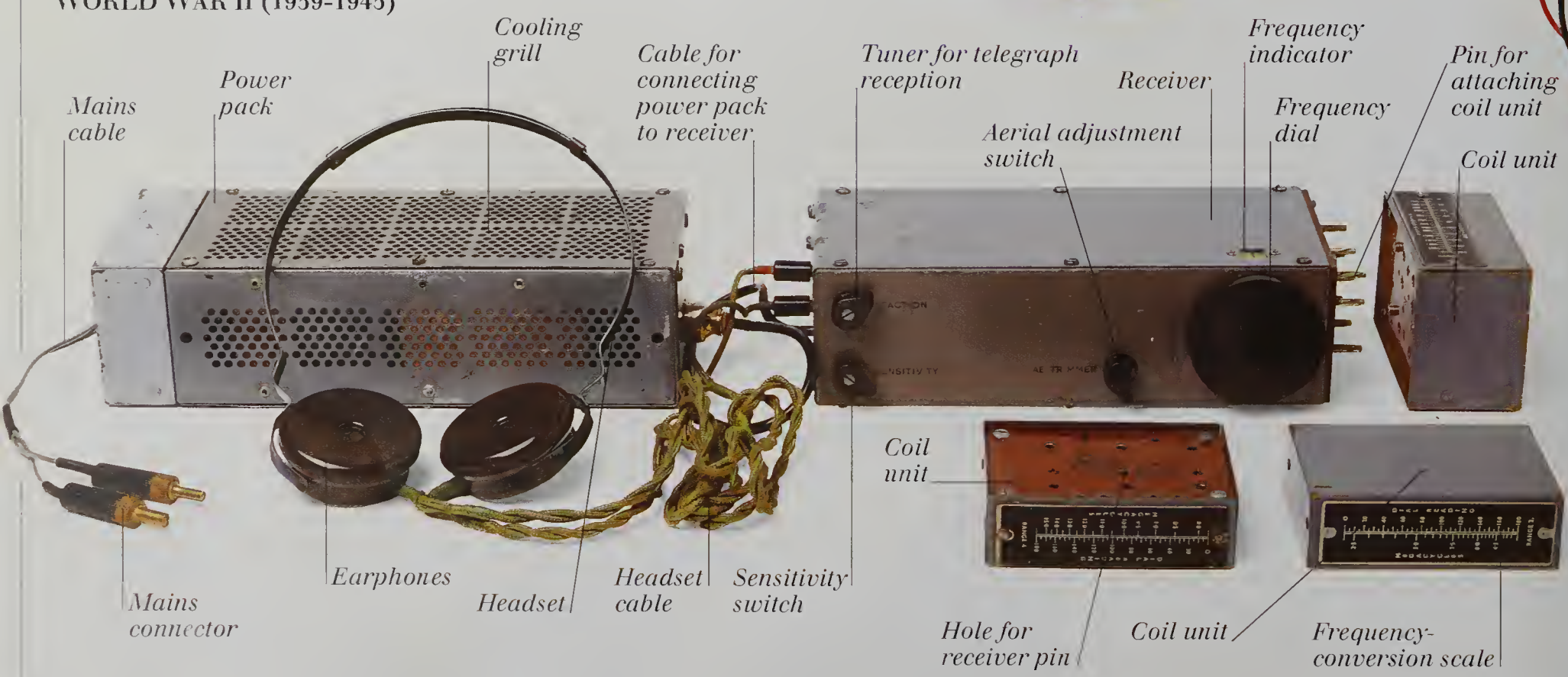
GOOD COMMUNICATIONS ARE VITAL for the success of any military operation, and a wide variety of methods have been employed. One of the more unusual methods, used during World War II, involved parachuting homing pigeons to agents and special forces on the ground so that the birds could carry messages when they flew home. Efficient communications are particularly important for special forces and secret agents because they often work alone or in small groups, and in remote and dangerous areas. They commonly use equipment that is portable and easy to conceal, such as walkie-talkies, "biscuit-tin" radio receivers, and suitcase radios. Keeping communications secure is also important. One way of achieving this is to use special methods of radio transmission. For example, the high-speed burst transmitter sends radio messages in short spurts so that they cannot be intercepted easily. Another method of keeping communications secret is to send messages in code (see pp. 50-51).



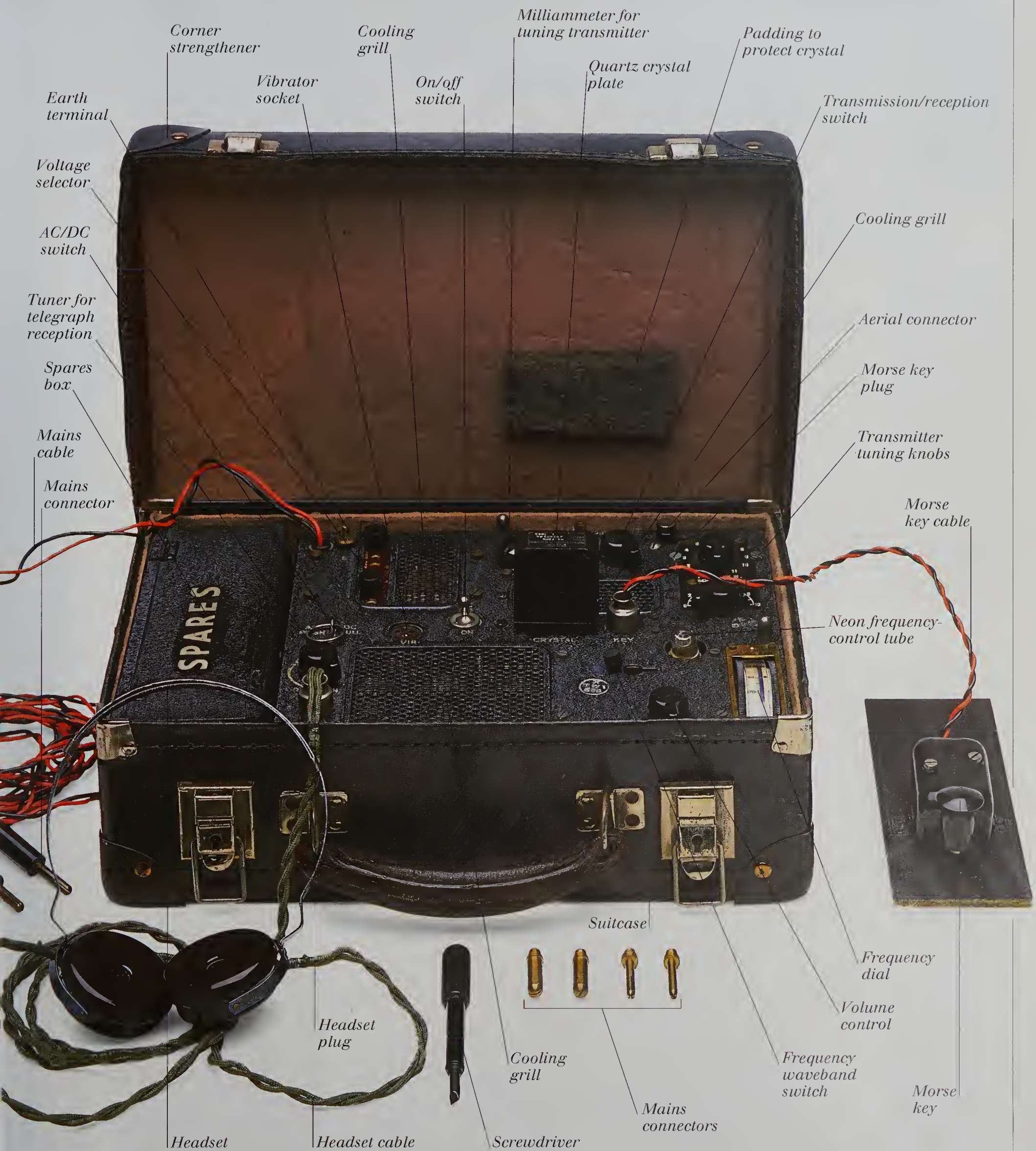
BRITISH PIGEON PARACHUTE, WORLD WAR II (1939-1945)



BRITISH MCR 1 RECEIVER ("BISCUIT-TIN" RECEIVER), WORLD WAR II (1939-1945)

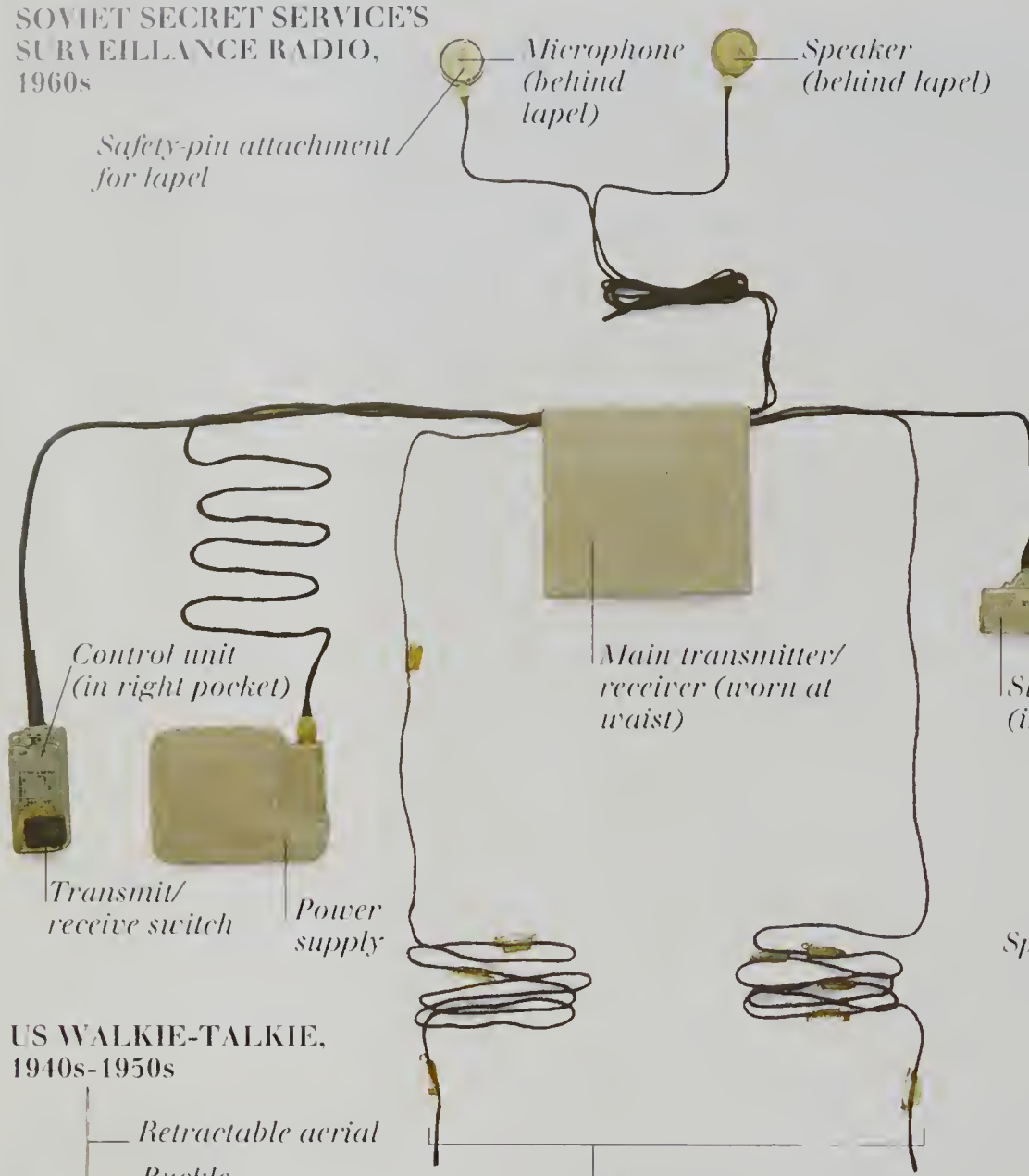


BRITISH TYPE A MK III SUITCASE RADIO, WORLD WAR II (1939-1945)



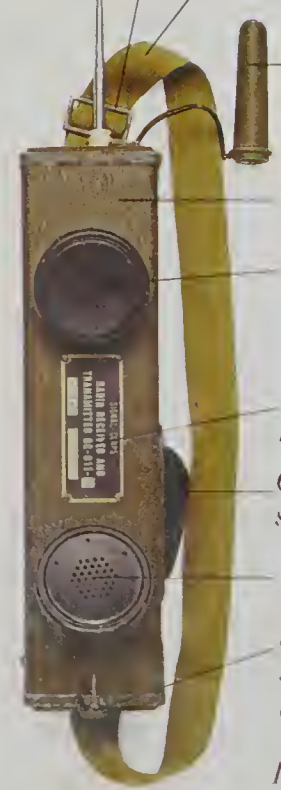
Military communications 2

SOVIET SECRET SERVICE'S SURVEILLANCE RADIO, 1960s

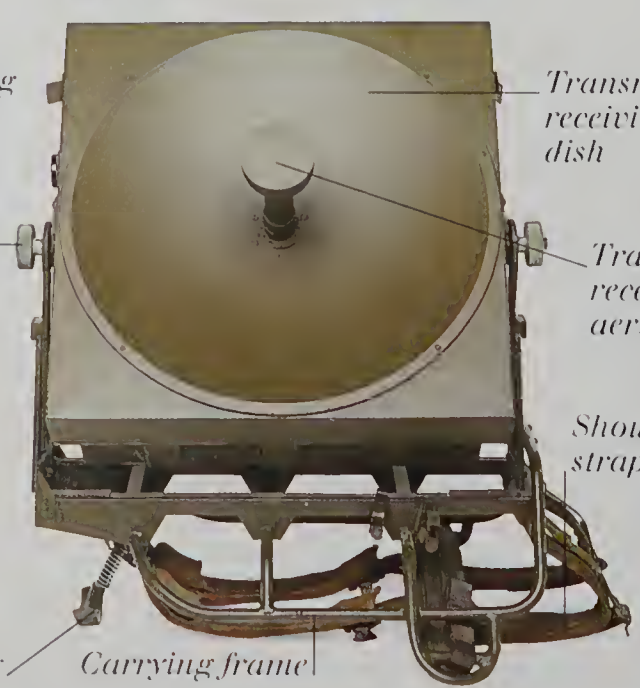


US HAND-HELD RADIO SET, 1990s

US WALKIE-TALKIE, 1940s-1950s



BRITISH PORTABLE SATELLITE COMMUNICATIONS TERMINAL, 1970s



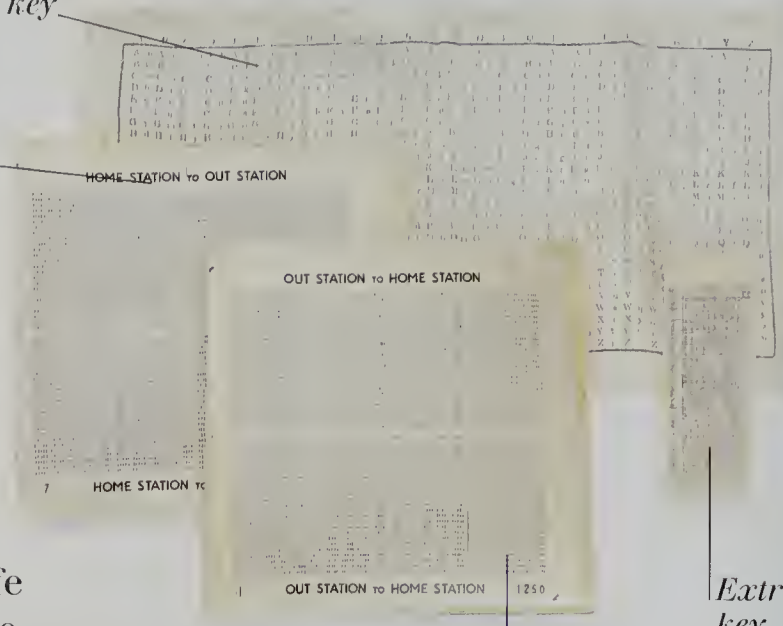
BRITISH A16 HF TRANSCEIVER USED BY SPECIAL AIR SERVICE, 1960s-1980s

Encoding and decoding

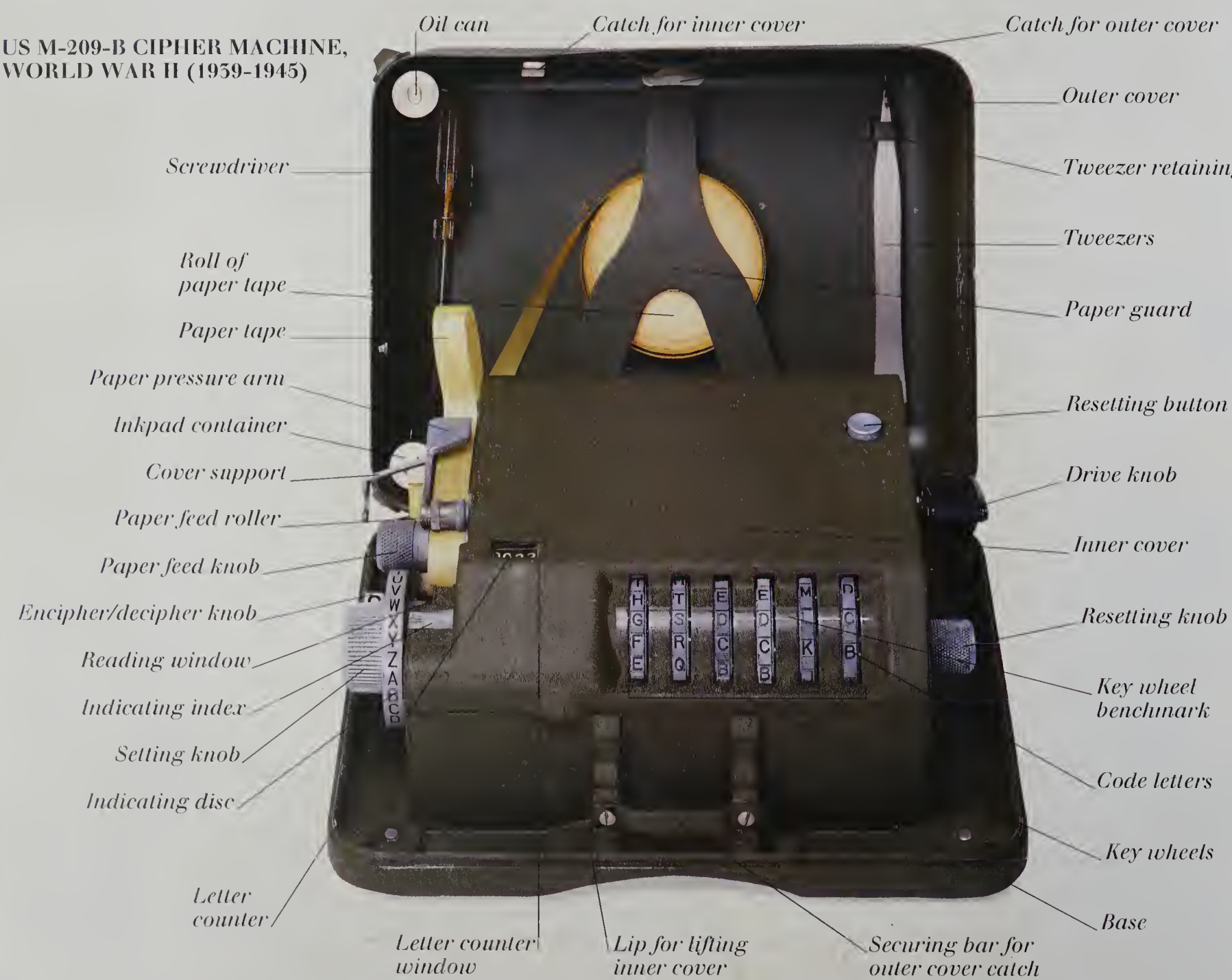
THE SENDING OF MESSAGES in code developed out of the need to keep military communications secret. Although codes (also known as ciphers) have been used for centuries, they became essential once radio was used to send messages, because the enemy could easily intercept radio transmissions. As the importance of encoding increased, so too did the work of breaking codes. During World War II, one-time pads provided an almost totally safe method of encoding and decoding, but using them took a long time. Faster methods of encoding had to be developed for use by troops in action, so machines such as the compact US M-209-B cipher machine were designed. The German electromechanical Enigma machine had an extremely sophisticated enciphering process that produced complex codes. The Enigma system was thought to be completely secure, but it was eventually cracked by the Allies.

BRITISH CIPHER WHEEL c.1880

BRITISH ONE-TIME PADS, WORLD WAR II (1939-1945)



US M-209-B CIPHER MACHINE, WORLD WAR II (1939-1945)



GERMAN ENIGMA CIPHER MACHINE, WORLD WAR II (1939-1945)

Spare bulb hole
Spare light bulbs
Double plug cable
Cable retaining clip
Rotor slit
Viewing window
Metal cover plate
Cover hinge
Lever
Code letters
Rotor cylinder
Handle
Cable testing socket
Light bulb
Keyboard
Identification plate
Double plug
Double plug cable
Socket panel
Filter plate
Cover retaining screw
Release catch
Upper lid
Filter catch
Spare double plug
Plug retaining bracket
Lock
Coding rotor
Battery box
Mains connection point
Catch for battery box lid
Current testing socket
Retaining screw fitting
Key
Front panel hook
Plug socket
Cable testing socket
Front panel hinge
Front panel
Front panel retaining loop
Front panel catch
Filter plate retaining screw

Special forces' weapons 1

SPECIAL FORCES HAVE TO CARRY OUT such a wide variety of missions that they have a great need for specialized weapons. For example, many of the clandestine operations undertaken by special forces require silent weapons, such as the special silenced version of the Sten submachine-gun, which was used in World War II, or the modern version of a crossbow. In other dangerous situations – when fighting terrorists, for instance – special forces often require maximum firepower, and therefore many groups use pump-action shotguns, such as the Italian Franchi Special Purpose Automatic Shotgun, which is capable of firing four rounds per second. The M79 grenade launcher is used for longer-range action, because it can lob grenades and other explosive projectiles up to a distance of about 450 m (500 yards). Multipurpose weapons were popular with special forces involved in close-quarter fighting during World War II, when the knuckleduster knife and the Peskett close-combat weapon (comprising a garrotte, dagger, and bludgeon) were used.

BRITISH TREE SPIGOT MORTAR, WORLD WAR II (1939–1945)

US BARRETT .50 IN M82A1 SPECIAL APPLICATIONS RIFLE, 1990s

PRISMATIC SIGHT OF SPIGOT MORTAR

RAINSHIELD OF SPIGOT MORTAR

ITALIAN FRANCHI 12-BORE S.P.A.S. (SPECIAL PURPOSE AUTOMATIC SHOTGUN), 1990s

BRITISH SPECIAL SILENCED STEN SUBMACHINE-GUN, WORLD WAR II (1939-1945)

Special forces' weapons 2

US COLT COMMANDO 5.56 MM CARBINE, 1960s-1990s

Foresight
Barrel
Flash suppressor
Bayonet lug
Front sling fitting
Plastic hand-guard

BRITISH PESKETT CLOSE-COMBAT WEAPON, WORLD WAR II (1939-1945)

Retractable garrotte
Retaining mechanism
Grip
Dagger release button
Retractable dagger
Bludgeon
Attachment ring
Wrist strap

BRITISH CROSSBOW, 1980s

Bowstring attachment loop
Bowstring
Protective cover
Plastic flight
Bolt
Shooting knife
Handle
Metal bow
Bowstring sear
Rear sight
Foresight
Receiver
Lever to secure shoulder stock
Bow-locking attachment
Fore-grip
Trigger
Grip
Lever to secure shooting knife
Trigger guard
Sliding shoulder stock

US 40 MM M79 GRENADE LAUNCHER, 1960s-1980s

Recoil pad
Barrel catch
Butt
Safety catch
Rear sling fitting
Folding trigger guard
Trigger
Allen key
Trigger-guard release switch

US KNUCKLEDUSTER KNIFE, 1910s-1940s

Guard
Manufacturer's mark
U.S. 1918
L.F.&C-1918
Knuckleduster grip
Spike

Carrying handle
Cocking handle
Rear sling fitting
Bolt release catch
Extendible butt
Safety catch/ firing selector
Slip ring
Catch to extend butt
Plastic pistol grip
Trigger guard
Trigger
30-round magazine

GERMAN HECKLER AND KOCH 9 MM P9S AUTOMATIC PISTOL, 1980s-1990s

Foresight
Slide catch
Safety catch
Rear sight
Muzzle
Slide
Barrel clamp
Front of trigger guard for two-handed grip
Trigger
Trigger guard
Cocking lever
Pistol grip
Magazine floorplate
Magazine release catch

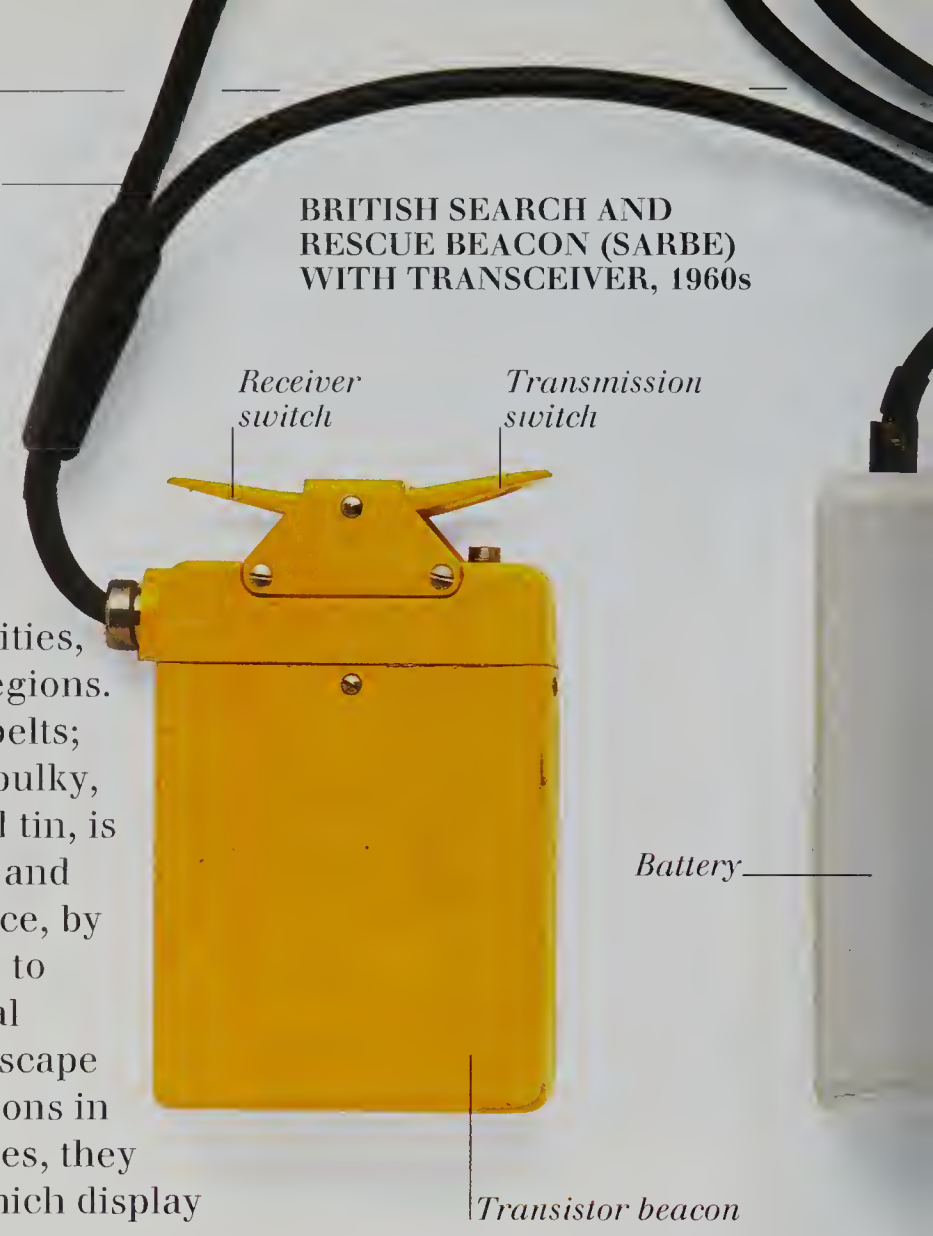
Rear sight
Windage screw
Foresight
Barrel
Fore-end
Front sling fitting

AUSTRALIAN OWEN SUBMACHINE-GUN, 1940s-1960s

33-round magazine
Magazine housing
Magazine release catch
Disassembly plunger
Selector switch
Foresight
Barrel
Rear sight
Butt
Compensator
Ejection port
Front sling fitting
Trigger guard
Blade
Pistol grip
Trigger
Rear sling fitting
Front grip

Escape and survival 1

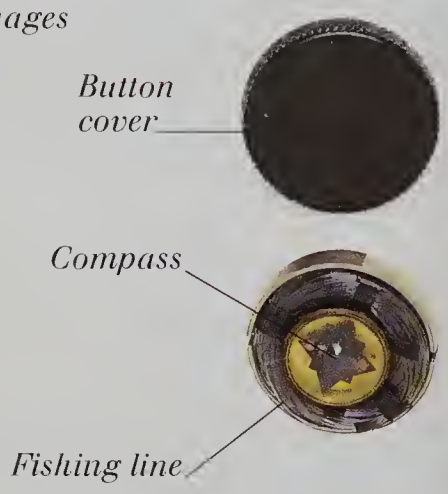
SPECIAL FORCES OPERATE in some of the most dangerous areas in the world and so they have a relatively high chance of being captured by the enemy or stranded in hostile territory. Special forces are trained in survival techniques that give them a range of skills, including how to provide themselves with basic necessities, such as food, water, shelter, and fire, in even the most barren regions. Troops usually carry survival aids in pouches attached to their belts; this piece of kit is known as a belt order. If the belt order is too bulky, then just a compact version of the survival kit, packed in a small tin, is carried. As well as being able to keep themselves alive, soldiers and aircrew must be able to attract help in an emergency, for instance, by lighting flares or by using a Search and Rescue Beacon (SARBE) to signal their location and speak to the rescuer. Agents and special forces operating in enemy territory may suddenly be forced to escape from the country, so they carry compasses and maps. For situations in which troops may have to identify themselves in foreign countries, they are issued with an emergency kit that includes "blood chits", which display the troops' national flag and show useful phrases in local languages.



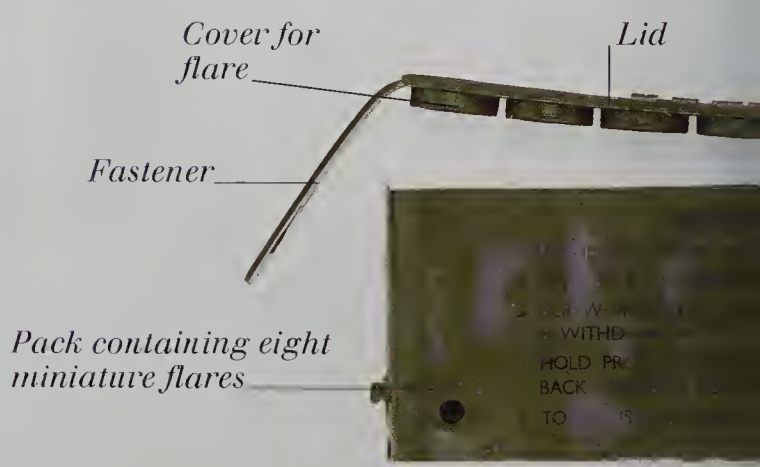
BRITISH SEARCH AND RESCUE BEACON (SARBE) WITH TRANSCEIVER, 1960s

BRITISH EMERGENCY KIT, SUEZ CRISIS, 1956

BRITISH ESCAPE BUTTON, 1990s



BRITISH PACK OF FLARES, 1980s-1990s



Aerial casing
Switch
Coiled aerial
Mouthpiece/ earpiece of transceiver
EJECT
Aerial ejector toggle
BEACON OFF
Connecting clip
Watertight screw
Connecting sleeve

BRITISH PENKNIFE, WORLD WAR II (1939-1945)

Pincer handle
Attachment loop
Wirecutters
Saw blades
Knife blade

US "BLOOD CHIT" CARRIED BY AIRCREW FLYING OVER SOVIET TERRITORY, WORLD WAR II (1939-1945)

US national flag
"I am an American" printed in Russian script
Я американец
Pronunciation of Russian for "I am an American"
"Ya Amerikánets" (Pronounced as spelt)
"Please communicate my particulars to American Military Mission Moscow" printed in Russian script
Пожалуйста сообщите сведения обо мне в Американскую Военную Миссию в Москве
Please communicate my particulars to American Military Mission Moscow

BRITISH MONOCULAR, 1990s

Fastening
Wrist strap
Monocular
Monocular case

Flare
SWESSEX
080A
Flare
Spring-loaded firing pin
Instructions for use
Case containing mechanism to fire flares

BRITISH MINIATURE LIGHT SOURCE, 1980s-1990s

Attachment loop
Case containing tritium gas light-source
Cap

US MULTI-PURPOSE SURVIVAL TOOL, 1980s-1990s

Pliers/ wirecutters
Fold-out handle
Cross-head screwdriver
Screwdriver
Tin opener/ bottle opener
Awl
Screwdriver
Fine screwdriver
Blade
File

Escape and survival 2

BRITISH BELT ORDER, 1990s

BRITISH SURVIVAL KIT, 1980s–1990s

US ARMALITE AR7 .22 IN SURVIVAL RIFLE, 1960s

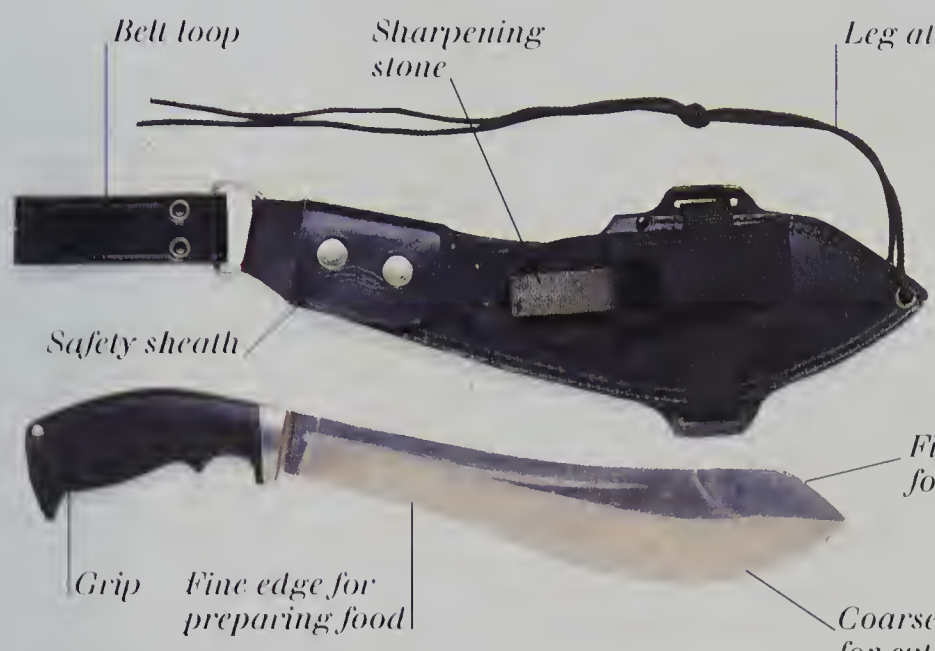
Water-purification bag

Butt end cover

Threaded collar (for attaching to receiver)

BRITISH SURVIVAL KIT, WORLD WAR II (1939-1945)

BRITISH SURVIVAL KNIFE, 1990s

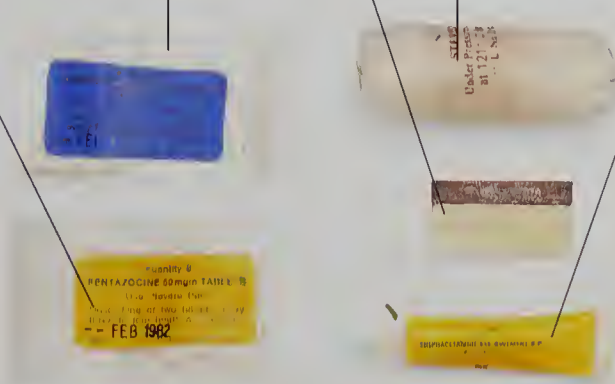


Chewing gum

Razor blade holder

BRITISH MEDICAL KIT, 1990s

Pentazocine pain-relief tablets

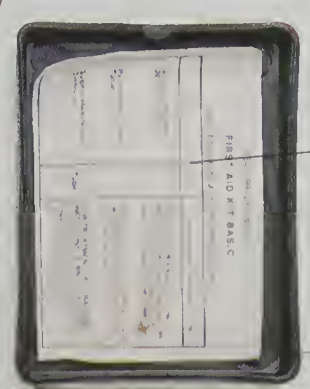


Codeine phosphate pain-relief tablets

Razor blade

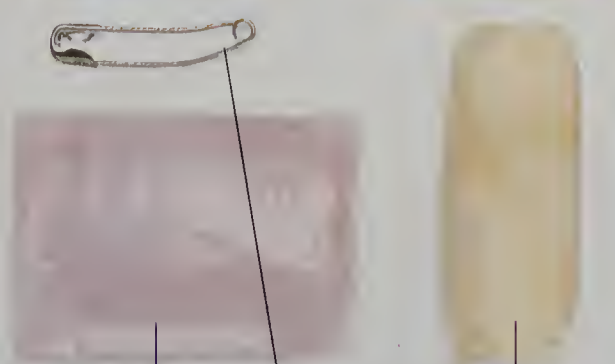
Field dressing

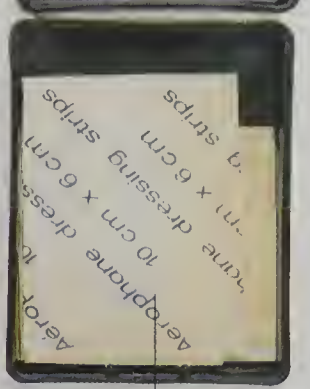
Sulphacetamide eye ointment



List of contents and directions for use

Carrying case





Field dressing

Field dressing

Dressing for burns

Safety-pin

Field dressing

Adhesive dressings

Index

A

A16 HF transceiver 49
ABC Steineck wrist camera 39
Access port 23
AC/DC switch 47
Acetone time-delay fuse 18-19
Actuating screw 19
Actuator 15
Adaptor 41
Adaptor holder 43
Adhesive dressings 58-59
Adjustment lock 37
Adjustment slot 16
Aerial
  Amphibious tractor 21
  Dropping container 27
  Listening devices 36
  Military communications 48-49
  Military vehicles 34-35
  Search and rescue beacon 57
  S-phone transceiver 8
  Tape-recorder and transceiver briefcase 41
Aerial adjustment 46
Aerial casing 57
Aerial connector
  SAS transceiver 49
  Suitcase radio (Type 3 Mk II) 11
  Suitcase radio (Type A Mk III) 47
Aerial ejector toggle 57
Aerial mount 35
Aerial photographs 6-7
Aerial selection switch 41
Aerial tuning knob 11
Aerial wires 48
Aft position light 35
Agents 8-13
  Escape and survival 56
  Espionage 38
  Military communications 46
  Military intelligence 6
  Sabotage 42
Aircraft
  Military intelligence 6
  Wartime secret agents 8
Aircrew 56-57
Air filter 35
Airflow deflector 34
Air hole 46
Air inlet valve 23
Air intake
  Biber submarine 23
  UH-1 ("Huey") helicopter 34
Air-lift bracket 35
Air pressure gauge 22
Allen key 54
Allies
  Encoding and decoding 50
  Military intelligence 6
Alloy pellet 41
American OSS 8, 11
Ammeter
  Dropping container 27
  X-craft 22
Ammunition belt 34
Ammunition bin 16
Ammunition container 34
Ammunition pouch 24
Ammunition storage box 17
Amphetamine tablet 59
Amphibious forces 18-19
Amphibious tractor 21
Amphibious vehicles 20-21
Ampoule 19, 42-43
Anchor ear 43
Ankle support strap 24
Antarctic forces 30
Anti-collision light 34
Anti-gas respirator 45
Anti-tank ditch 7
Anti-tank round 16
Anti-tank weapon stowage 16
Anvil 11
Aperture dial 38
Aperture setting knob 38-39
Aperture setting lever 39
Aperture setting scale 38
Arctic clothing 30-31
Arctic footwear 30
Arctic forces 30-31
Armalite survival rifle 59
Arm hook 53
Arming mechanism 10
Armour 45
Artillery 28
Attachment
  Minox camera and accessories 39
  Sten gun carrier 26
  Tree spigot mortar 52
Attachment clip 52
Attachment loop
  Miniature light source 57
  Penknife 57
  SAS holster 44
Attachment ring 54
Attachment string 30
Attachment strip 45
Australian SAS parachutists' insignia 25
Automatic gain control amplifier 41
Automatic pistol
  Browning 44
  Colt 9
  Heckler and Koch P9S 55
  Hi-standard silenced 11
  Taisho 30
Auxiliary socket 41
Awl 57
Axe 21
Axe-head 29

B

Badge
  Border guard 44
  Marine parachutists 20
  Parachutists 24
  SAS 44
  SOE and OSS special forces 10
Bailer 35
Ball
  General purpose grenade 43
  Guiding lights 8
Ball-and-socket joint 39
Ballast tank 22
Ballistic door 35
Bar 25
Barrel
  Armalite survival rifle 59
  Concealed weapons 14-15
  Fountain pen 13
  Ingram submachine-gun 19
  Liberator pistol 11
  M16A1 assault rifle 20
  M203 grenade launcher 20
  Parachutists' M1A1 carbine 24
  Snipers 32-33
  Special forces' weapons 52-55
  Taisho pistol 30
Barrel band 33
Barrel catch
  M79 grenade launcher 54
  M203 grenade launcher 21
Barrel clamp 55
Barrel extension 53
Barrel jacket 53
Barrett special applications rifle 52-53
Base
  Cipher machine (M-209-B) 50
  Document copy camera 40
Base plate 16
Base plug 42
Battery
  Military surveillance 36
  Push-pull switch 43
  Search and rescue beacon 56
  Waterproof torch 18
Battery box
  Enigma cipher machine 51
  Tape-recorder and transceiver briefcase 41
Battery cable 49
Battery charging regulator 22
Battery compartment
  Belt order 58
  Binocular telescope 37
  Guiding lights 8
  Maiale "human torpedo" 23
  "Rigid Raider" 20
  "Sleeping Beauty" 19
  UH-1 ("Huey") helicopter 34
  X-craft 22
Battery container 23
Battery cover 37
Battery housing cover 33
Battery level indicator 41
Battery lid 37
Battery listening device 36
Battery position markings 37
Battery pouch 48
Battery test button 41
Battery test light 41
Battle sight 33
Bayonet lug
  Colt commando carbine 54
  M16A1 assault rifle 20
  Snipers 33
Beach 7
Beachheads 20
"Beano" grenade 10
Beeswax pellets 42
Belt
  Belt order 58
  Parachutists' clothing 24
  SAS holster 44
  Sniper's camouflage 32
Belt loop
  Counter-revolutionary forces 44-45
  Survival knife 59
Belt loop ring 39
Belt order 56, 58
Belt pistol 14
Bergen pack 16
Biber submarine 22-23
Binnacle 22-23
Binocular case 17
Binoculars 32
Binocular telescope 36-37
Bipod
  Barrett special applications rifle 52
  Lahti anti-tank rifle 31
"Biscuit-tin" radio receiver 46
Blackout light 17
Blade
  Double-hooked knife 15
  Fighting knife 21
  Knife in pencil 15
  Knuckleduster knife 55
  Lapel knife 14
  Multi-purpose survival tool 57
  Parachutists' knife 24
  Penknife 57
  Saboteur's knife 9
  Survival kit 58
Blade grip 54
Blade kit 10
Blade lock 24
Blade release catch 9
"Blood chit" 56-57
Bludgeon
  Peskett close-combat weapon 54
  Special forces' weapons 52
Boats
  Covert amphibious forces 18
  Special military vehicles 34-35
Body armour 44-45
Body ring 35
Bolt
  Crossbow 54
  General purpose grenade 43
  SOE crossbow 11
  Type 97 sniper's rifle 33
Bolt cap 33
Bolt handle
  Ingram submachine-gun 19
  Ross sniper's rifle 33
  Type 97 sniper's rifle 33
Bolt head carrier 44
Bolt-on rim 21
Bolt release catch
  Colt commando carbine 55
  M16A1 assault rifle 21
  Type 97 sniper's rifle 33
Bolt retracting button 15
Bolt return spring 53
Bomb head 52
Bonnet 27
Bonnet latch 35
Booklet 56
Boot
  Arctic footwear 30
  Parachutists' clothing 24
  SAS personal equipment 45
Boot heels 13
Border guard badges 44
Bore 28-29
Bottom strap 25
Bow
  Biber submarine 22
  Crossbow 54
  Klepper kayak 35
  "Rigid Raider" 20
  "Sleeping Beauty" 19
Bowl
  Pipe 13
  Pipe pistol 14
Bow-locking attachment 54
Bowstring 54
Bowstring attachment loop 54
Bowstring sear 54
Brace strap 24
Bracket
  Enigma cipher machine 51
  Limpet mine 18
  Minox camera and accessories 39
  S-phone transceiver 8
Brake block 26
Brake cable 26
Brake lever 26
Brake mechanism 26
Brake pedal 26
Brass body 36
Breathing apparatus 23
Breathing bag 23
Breathing tube 23
Breech 29
Breech mechanism lever 28
Breech return lever 14
Breech ring 28
Bridge plate 17
Briefing models 6-7
Bristles 12
Britain
  Counter-revolutionary units 44
  Royal Marines 21
British
  Army parachutists' insignia 25
  Long Range Desert Group 16-17
  SAS 17, 44-45
  Secret Service 38
  SOE 8, 14
  Special forces 14
Browning automatic pistol 44
Brushes 42
Buckle
  Night-vision goggles 37
  Parachutists' equipment 25
  Photo-surveillance briefcase 38
  SAS holster 44
  SAS personal equipment 45
  Sten gun carrier 26
  Walkie-talkie 48
  Wartime secret agents 9
Buckle compass 13
Bugs 36
Bulb 51
Bullet 15
Bumper 27
Bundesgrenzschutz badge 44
Bung 18
Bungee cord 20
Buoyancy tank 18-19
Butt
  Armalite survival rifle 59
  Heckler and Koch MP5A3 submachine-gun 44
  Ingram submachine-gun 19
  M16A1 assault rifle 20
  Parachutists' M1A1 carbine 24
  Snipers 33
  Special forces' weapons 53-55
Butt end cover 59
Button
  Hand-held radio set 48
  Peskett close-combat weapon 54
  Propelling pencil pistol 15
Butt plate
  Franchi special purpose automatic shotgun 53
  Parachutists' M1A1 carbine 24
  Snipers 33
Butt rail 44

C

Cabin door 34
Cable
  "Biscuit-tin" radio receiver 46
  Document copy camera 40
  Enigma cipher machine 51
  Hand-held radio set 48
  Paradroppable jeep 27
  Paradroppable motorcycle 26
  "Rigid Raider" 20
  SAS transceiver 49
  "Sleeping Beauty" 18
  S-phone transceiver 8
  Suitcase radio (Type A Mk III) 47
  Surveillance camera 39
  Tape-recorder and transceiver briefcase 41
Cable release
  Document copy camera 40
  Minox camera and accessories 39
  Photo-surveillance briefcase 38
Cable retaining clip 51
Cable testing socket 51
Calibrated arc 52
Calibration dial 53
Calibrations 16
Camera
  Espionage 38-39
  Military surveillance 36
Camera attachment 39
Camera attachment bracket 38
Camera attachment knob 39
Camera body locking mount 36
Camera bracket 39
Camouflage
  Land Rover 16
  Sabotage 42
  Snipers 32
Camouflage cream 32
Camouflage jumpsuit 9
Camouflage net 17
Camouflage pattern clothing 32
Canadian Army Parachutists' insignia 25
Candle
  Key-casting kit 44
  Survival kit 58
Canoe 18-19
Canvas holder 8
Cap
  Belt order 58
  Cigarette lighter 12
  Fountain pen 13
  General purpose grenade 43
  Limpet mine 18
  Miniature light source 57
  Pressure switch 43
Cap holder 43
Car aerial adaptor 41
Carbine
  Colt commando 54
  Parachutists' M1A1 24
Carbon-dioxide-absorbing canister 23
Cargo hood attachment 35
Cargo suspension hook 34
Carriage trail 29
Carrier 28
Carrying case
  Document copy camera 40
  Key-casting kit 41
  Medical kit 59
Carrying frame 48
Carrying handle
  Barrett special applications rifle 53
  Colt commando carbine 55
Cartridge 15
Cartridge case bag 27
Case
  Blade kit 10
  Disguise kit 40
  Escape and survival 57
  "Explosive coal" kit 42
  Medical kit 59
  Minox camera and accessories 39
  Rectal toolkit 40
Casing
  General purpose grenade 43
  Listening devices 36
  Time-delay fuse 42
  Walkie-talkie 48
Cassette 49
Cassette lid 49
Cassette tape 49
Catch
  Encoding and decoding 50-51
  Special forces' weapons 54-55
Caterpillar track 21
Central Intelligence Agency 38
Chain
  Cigarette lighter 12
  Folding bicycle 26
Chassis 27
Cheek-rest
  Heckler and Koch PSG1 sniper's rifle 33
  Lahti anti-tank rifle 31
Chewing gum 59
Chin strap
  Camouflage jumpsuit 9
  Parachutists' clothing 24
Chocolate bar 59
Chuggle 16
CIA 38
Cigarette lighter 12
Cigarette lighter camera 38
Cigarette pack camera 38
Cipher 50-51
Cipher wheel 50
"Clam" demolition charge 43
Clamp
  Release switch 43
  Klepper kayak 35
Clamping plate 52
Clamping screw 52
Clandestine blade kit 10
Clasp 13
Classified information 6
Clay
  Key-casting kit 41
  Time-delay fuse 43
Cleaning rod 33
Cleat 20
Climbing equipment 29
Climbing rope 29
Clip
  Cigarette pack camera 38
  Dropping container 27
  Enigma cipher machine 51
  Fountain pen 13
  Limpet mine 18
  Magnetic demolition charge 43
  Pigeon parachute 46
  Propelling pencil pistol 15
  Search and rescue beacon 57
  S-phone transceiver 8
  Tree spigot mortar 52
Clip pull 43
Close-combat weapon 54
Closing cap 43
Cloth
  Disguise kit 40
  "Explosive coal" kit 42
Clutch cable 26
Clutch lever 26
Coastline 6-7
Cocking boss 30
Cocking handle
  Heckler and Koch MP5A3 submachine-gun 44
  Heckler and Koch PSG1 sniper's rifle 32
  Lahti anti-tank rifle 31
  M16A1 assault rifle 21
  Special forces' weapons 52-55
  Welrod silenced pistol 11
Cocking handle slot 33
Cocking knob 11
Cocking lever 55
Cockpit 23
Code
  Briefing model 7
  Encoding and decoding 50-51
  Military communications 46
Coded dial 49
Codeine phosphate tablets 59
Code letters 50-51
Code-name 6
Coding rotor 51
Coil unit 46
Coins 8
Cold cream 40
Collar
  Armalite survival rifle 59
  Pull switch 43
  SAS personal equipment 45
Colt automatic pistol 9
Colt commando carbine 54-55
Column adjustment knob 40
Comb 40
Combat jacket 24
Combat knife 24
Combat shirt 30
Combat trousers 30
Combat waistcoat 45
Commander's cupola 21
Commander's seat 17
Communications 46-49
  Encoding and decoding 50
  Sabotage 42
Compartment
  Amphibious tractor 21
  Boot heel 13
  Cigarette lighter 12
  Concealment insoles 8
  Dice shaker 12
  Hairbrush 12
  Shaving brush 12
Compass
  Cigarette lighter 12
  Escape button 56
  Fountain pen 13
  Hairbrush 12-13

Land Rover 16–17
Shaving brush 12
Sniper's camouflage (Gillie suit) 32
Survival kit 58–59
Wartime secret agents 8
Compass binnacle 22
Compass needle 15
Compass shroud 20
Compensating pumps 22
Compensator 35
Compressed air cylinder 19
Compressed oxygen cylinder 23
Concealed weapons 14–15
Concealment dagger 10
Concealment insoles 8
Conduit 18
Connecting clip 57
Connecting gear 23
Connecting lead 50
Connector
"Biscuit tin" radio receiver 46
Hand-held radio set 18
SAS transceiver 49
Suitcase radio (Type A Mk III) 47
Conning tower 23
Conning tower hatch 23
Contact gloves 31
Container
Belt order 58
Pigeon parachute 46
Pipe 15
Contents' list 59
Control box 46
Control cable 20
Control lever 20
Control tube 34
Control unit
"Rigid Raider" 20
Surveillance camera 39
Surveillance radio 48
Cooling grill
"Biscuit tin" radio receiver 46
Suitcase radio (Type A Mk III) 47
Co-pilot's door 34
Copy camera 40
Copy stand 39
Copy stand base 40
Cord
Pressure switch 45
SOE crossbow 11
Sten gun carrier 20
Telescopic cosh 14
Time delay fuse 10
Core of rope 29
Corner strengthener 47
Corrosion wire 45
Corrosive liquid 42–43
Cosh 14–15
Cotton bud 40
Cotton wick 45
Cotton wool 58
Counter-revolutionary units 44–45
Cover
Cipher machine (M-209-B) 50
Crossbow 54
Escape button 50
Flares 50
Lahti anti-tank rifle 31
Pressure switch 45
"Rigid Raider" 20
Surveillance camera 39
Tree spigot mortar 52
Cover retaining screw 51
Cover support 50
Covert amphibious forces 18–19
Cradle
Mountain howitzer 28–29
Paradroppable motorcycle 26
X-craft 22
Cradle cap 28
Craft 20
Crashpan 27
Crate frame 26
Creep spring 45
Crimping mark 45
Crossbow
Special forces' weapons 52, 54
Wartime secret agents 11
Cross-tube 54
Cruciform blade 15
Crush tube 42
Crystal calibrator 27
Crystal selector 11
Current testing socket 51
Cutting-blade bits 40

D

Dagger
Blade kit 10
Peskett close combat weapon 54
Subaqua forces' insignia 23
Dagger release button 54
Dart 10
Dash key 49
Date 10
Day- and night-vision binocular telescope 37
Daylight binocular telescope 37
Daylight developing kit 39
D-Day landings 6
Deckboard 22
Deck tread 20
Decoding 50–51
Demolition charges 42
Desert forces 16–17
Detonator
Sabotage 42
Time delay fuse 10
Detonator end cap 10
Detonator holder 42–43
Developing tank 39
Development processing thermometer 39
Dice shaker 12
Diet 30
Differential guard 17
Dioptre adjustment 37
Disassembled mountain howitzer 29
Disassembly bolt 33
Disassembly button 11
Disassembly catch 24
Disassembly plunger 55
Disc 50
Disguise kit 40
Dish 48
Display panel 48
Distilled water tank 22
Distinguishing marks 40
Diving controls 23
Diving fin 18
Diving klaxon 22
Diving klaxon button 22
Document 40
Document copy camera 40
Donovan, General William J. 40
Door 34–35
Double-edged blade 21
Double-edged knife 10
Double-hooked handle 15
Double-hooked knife 15
Double plug 51
Double plug cable 51
Dot key 49
Drag brace 34
Drag rope 28
Dragunov rifle 32–33
Drag washer 28
Draining port 23
Draught-proof ankle band 30
Draught-proof cuff 30
Draught-proof waist 30
Drawstring
Sniper's camouflage (Gillie suit) 32
Sten gun carrier 20
Dressings 58–59
Drill bit 40
Drive knob 50
Driver's belt kit 17
Driver's cupola 21
Drive shaft casing 35
Drive sprocket 21
Dropping container 27
Dropping handle 46
Drum magazine 27
Duplex transceiver 8
Dust cap 48
Dyeing brush 40
Dynamic nylon rope 29

E

Earphone
"Biscuit tin" radio receiver 46
SAS transceiver 49
S-phone transceiver 8
Tape recorder and transceiver briefcase 44
Earphone socket 44
Earpiece
Hand-held radio set 48
Search and rescue beacon 57
Walkie-talkie 48
Earth terminal 47
Echo 8 cigarette-lighter camera 38
Ejection port
Belt pistol 14
Owen submachine gun 55
Taisho pistol 50
Welrod silenced pistol 11
Ejection rod 11
Ejector 44
Electric cable 48
Electric motor 48
Electric plug 36
Element 45
Elevating hand wheel 28
Elevation adjustment control 33
Elevation knob 33
Emergency foresight 32
Emergency kit 58
Emergency parachute 24–25
Emergency rear sight 33
Emergency sight 24
Encipher decipher knob 50
Encoding and decoding 50–51
Encoding and decoding key 50
End cap
Guiding lights 8
Time delay fuse 10
End plug 15
Engine
Parachutists 26
UH-1 ("Huey") helicopter 34
Enigma cipher machine 50–51
Enlarged trigger guard 30
Entrenching tool pocket 9
Escape and survival 56–59
Escape button 50
Espionage 38–41
Espionage camera 38
Exhaust outlet 34
Exhaust pipe
Biber submarine 23
Paradroppable motorcycle 26
Exhaust tank 23
Explosive chamber 42
"Explosive coal" kit 42
Explosive-filled body 18
Explosives 42–43
Explosive switches 45
Exposure setting lever 38
Extension rod holder 45
External aerial 44
External projector compass binnacle 22
Eyecup 36
Eyehole 45
Eyelet
Climbing equipment 29
Parachutists' equipment 25
Eye ointment 59
Eyepiece
Binocular telescope 37
Miniature monocular 36
Minox camera and accessories 39
Parachutists' grenade launcher 24
SAS personal equipment 15
Snipers 33
Eye slit 32

F

F-21 type II surveillance camera 39
Face flap 32
Face mask 30–31
Face pad 37
Face veil 32
Fairbairn and Sykes fighting knife 21
False button 39
False cigarette 39
False heel 10
False lock 38
Fastener
Flares 50
SAS holster 14
SAS personal equipment 15
Fastening
Belt order 58
Monocular 37
Fastening strap 38
Feed roller 50
Field dressing 59
Fighting knife 21
File 57
File kit 40
Filler plug 42
Film advance knob 38
Film chamber 40
Film compartment 38
Film holder 39
Film slitter 38
Film speed dial 39
Filter 58
Filter canister 45
Filter catch 51
Filter plate 51
Filter plate retaining screw 51
Finger groove 33
Finnish Lahti anti-tank rifle 30–31
Firing lever
Mountain howitzer 28
"Stinger" 11
Firing lever bracket 28
Firing lever guide 11
Firing mechanism cover 28
Firing pin
Flares 57
Heckler and Koch MP5A3 submachine gun 14
Tree spigot mortar 52
Firing selector 14
Firing wire 52
Firing wire guide 52
Fishing gear 58
Fishing line 58
Fixed spade 29
Fixing collar 43
Fixing loop 45
Fixing screw 42–43
Flag 57
Flares 56–57
Flash attachment 39
Flash hider 33
Flint 58
Floorplate 33
FM communications aerial 35
FM homing aerial 34
FM radio 35
Focusing dial 39
Focusing distance marker 39
Focusing ring 39
Focusing wheel 37
Focus screw 33
Folding bicycle 26
Folding butt 33
Folding footrest 26
Folding frame 26
Folding motorcycle 26
Folding skeleton butt 24
Folding trigger guard 31
Follower 14
Footwear 30
Ford-Willys paradroppable jeep 26–27
Foreign Legion 17, 25
Foresight
Arctic forces 30–31
Heckler and Koch MP5A3 submachine gun 14
Parachutists' M1A1 carbine 24
Snipers 33
Special forces' weapons 52–53
Format switch 49
Forward switch 44
Foto-sniper surveillance camera 39
Fountain pen 45
Four-wheel drive 34
Frame
Folding motorcycle 26
Satellite communications terminal 48
Frame counter 38–39
Franchi special purpose automatic shotgun 52–53
French Army Alpine Regiment 29
French Foreign Legion 17, 25
Frequency band switch 27
Frequency button 48
Frequency control tube 47
Frequency conversion scale 46
Frequency dial 27, 47
Frequency display panel 48
Frequency indicator 48
Frequency selector switches 49
Frequency waveband switch 47
Front carriage trail 28–29
Front lift shackle 35
Fuel cap 35
Fuel tank 26
Fuel tank cap 26
Fuel tank switch 26
Fulcrum support 27
Fully automatic position 14
Fuse 42–43
Fuse adaptor 42

G

Gain control 44
Gaiter 30
"Gammon" grenade 42
Garrotte
Peskett close combat weapon 54
Special forces' weapons 52
Gas port
Dragunov sniper's rifle 33
Lahti anti-tank rifle 31
Gate 29
Gearbox 35
Gearing 22
Gear lever
Land Rover 17
Paradroppable motorcycle 26
General purpose grenade 43
German Army Mountain Brigade 29
German Navy Subaqua forces insignia 23
Gillie suit 32
Glove pistol 15
Gloves
Arctic clothing 30–31
SAS personal equipment 15
Sniper's camouflage (Gillie suit) 32
Glue 40
Gnomon 46
Goggles
Arctic clothing 30
Camouflage jumpsuit 9
"Greenhouse" window 34
Grenade
"Beano" 10
"Mills Bomb" 42
PG-7 rocket-propelled 24
Sabotage 42–43
Special forces' weapons 52
Stun 44
Grenade box 10–11
Grenade launcher
Marines 20–21
Parachutists 24
Special forces' weapons 52, 54–55
Grenade loop 15
Grenzschutzgruppe 44
Grill 46–47
Grinding bit 40
Grip
Cigarette lighter 42
Concealed weapons 15
Fighting knife 21
Ingram submachine gun 10
Parachutists 24
Saboteur's knife 9
Special forces' weapons 53, 55
Survival knife 59
Grip assembly 44
Grip plate 9
Grip safety
Lahti anti-tank rifle 31
Welrod silenced pistol 11
Guard
Fighting knife 21
Knuckleduster knife 11
Parachutists' RPG-7D grenade launcher 24
Guide 52
Guide rod 14
Guiding lights 8
Guns 28

H

Haemostat 58
Hairbrush 42–43
Hammer
Belt pistol 14
Heckler and Koch MP5A3 submachine gun 14
Hammer head 45
Handgrip
Franchi special purpose automatic shotgun 53
"Rigid Raider" 20
Ski equipment 31
Hand guard
Colt commando carbine 34
Heckler and Koch MP5A3 submachine gun 14
Ingram submachine gun 10
Lahti anti-tank rifle 30
M16A1 assault rifle 20
Parachutists' M1A1 carbine 24
Snipers 33
Hand-held radio set 48
Handkerchief map 8
Handle
Belt order 58
Double-hooked knife 15
Enigma cipher machine 51
Heckler and Koch MP5A3 submachine gun 14
Limpet mine 18
Minox camera and accessories 39
Multi-purpose survival tool 57
Paradroppable jeep 26
Pigeon parachute 46
Rectal toolkit 40
SAS transceiver 49
Shaving brush 12
Special forces' weapons 52–55
Sten gun carrier 20
Telescopic cosh 14
Handlebar 26
Handlebar release lever 26
Handlebar release mechanism 26
Hand-painted camouflage 32
Hand rest 33
Hand set 48
Hand strap 49
Harbour defences
Covert amphibious forces 19
Subaqua forces 22
Harness
Parachutists' equipment 25
Paradroppable jeep 26
Pigeon parachute 46
Harness securing plate 34
Harpoons 58
Hatch rail 24
Hatpin dagger 10
Hawser 21
Hawser laid kern 29
Head 44
Head harness 37
Headlamp 26
Headlamp bracket 26
Headlight 17
Headphone 44
Head rest
Parachutists' RPG-7D grenade launcher 24
"Sleeping Beauty" 19
Headset
"Biscuit tin" radio receiver 46
Dropping container 27
S-phone transceiver 8
Suitcase radio (Type A Mk III) 47
Suitcase radio (Type A Mk III) 47
Head strap 37
Heckler and Koch
MP5A3 submachine gun 14
P9S automatic pistol 53
PSG1 sniper's rifle 32–33
"Hedgehogs" 7
Helicopter gunship 34
Heliograph 58
Helmet
Camouflage jumpsuit 9
Parachutists' clothing 24
Helmet cover 32
Helmsman's seat 22
High energy diet 59
High energy sweet 59
High-level photograph 7
High Mobility Multipurpose Wheeled Vehicle 34–35
High-speed burst transmitter 46, 49
Hinge
Enigma cipher machine 51
Folding bicycle 26
Night vision goggles 37
Release switch 45
Tree spigot mortar 52
Hinged butt plate 33
Hinged gate 29
Hinged joint 18
Hinge screw 52
Hi-standard silenced automatic pistol 14
Hoist 22
Hole
"Biscuit tin" radio receiver 46
Sabotage 42–43
"Sleeping Beauty" 19
Holman, Lieutenant D. 6
Holster
SAS 14
Sten gun carrier 20
Wartime secret agents 8
Homing pigeons 46
Hood
Arctic clothing 31
SAS personal equipment 15
Sniper's camouflage 32
Hooded foresight 33
Hook 31
Howitzers 29
Hull
Amphibious tractor 21
"Sleeping Beauty" 19
Subaqua forces 22–23
"Human torpedo" 22–23
"HUMMER" 34–35
"HUMVEE" 34–35
Hydraulic pump 24
Hydroplane 23
Hydroplane shaft 22
Hydroplane wheel 23

I

Ice axe 29
Ice screw 29
Identification document 40
Identification number 40
Identification plate 51
Idler 21

[illegible] 37
[illegible] 30
[illegible] 50
[illegible] index 50
Inflation point 20
Ingram submachine-gun 19
Inkpad container 50
Inner battery casing 36
Inner cover 50
Insertion point 40
Insignia
  Arctic forces' 30
  Desert forces' 17
  Marines' 21
  Mountain forces' 28
  Parachutists' 24-25
  Subaqua forces' 23
Insoles 8
Inspection port 43
Instep blade 8
Instruction manual 40
Instructions
  Belt order 58
  Flares 57
  Sun compass 16
  Survival kit 59
Instruction sheet 19
Intelligence 6-7
Intelligence organizations 38
Intelligence services 10-11
Internal aerial 41
Internal mounting rail 38
Interocular adjustment bar 37
Inter-vehicle starter socket 17
Italian Army Alpine Artillery Regiment 28
Italian Army Amphibious Unit 21
Italian Navy frogman 23

J

Jacket 32
Jack handle 26-27
Joint
  Biber submarine 23
  Silenced Sten submachine-gun 53
  Waterproof torch 18
Joint trail bracket 29
Joystick 18
Junction nut 28
Jungles 34

K

Kalimar SR-200 single lens reflex camera 36
Karabiners 29
Kayak 34-35
Keel tension bracket 35
Key
  Enigma cipher machine 51
  Handkerchief map 9
  One-time pads 50
  "Sword" beach maps 6
Keyboard 51
Key-casting kit 41
Key wheel 50
Key wheel benchmark 50
KGB
  Document copy camera 40
  Espionage 38
Kiev 30 camera 38
Kingston valve 22
Klepper kayak 34-35
Knee pad 32
Knife
  Blade kit 10
  Crossbow 54
  Knuckleduster 54-55
  Lapel 14
  Parachutists' 24
  Pencil 15
  SAS personal equipment 45
  Wartime secret agents 8-9
Knife blade 57
Knife sheath 45
Knob
  Cipher machine (M-209-B) 50
  Document copy camera 40
  Dropping container 27
  S-phone transceiver 8
  Suitcase radio (Type 3 Mk II) 11
  Suitcase radio (Type A Mk III) 47
Knuckleduster knife 52, 54-55
Komitat Gosudarstvennoi Bezopasnosti 38

L

La Breche, France 6-7
Lace fastener 45
Laces 9
Lacing 10
Lacing eye 35
Lahti anti-tank rifle 31
Landing skid 34
Land Rover 16-17
Lanyard
  Camouflage jumpsuit 9
  Saboteur's knife 9
  Waterproof torch 18
Lanyard loop
  Parachutists' knife 24
  Sleeve pistol 15
  Taisho pistol 30
Lanyard ring 18
Lapel knife 14
  Blade kit 10
Latitude plate 16
"L-delay" fuse 43
Lead 56
Leaf spring
  Land Rover 16
  Paradroppable jeep 26
  Pull switch 43
Ledge 20
Leg
  Minox camera and accessories 39
  Satellite communications terminal 48
Leg stay 29
Lens
  Espionage 38-39
  Night-vision goggles 37
  Tree spigot mortar 52
Lens aperture ring 36
Lens cap
  Heckler and Koch PSG1 sniper's rifle 33
  Night-vision goggles 37
  Parachutists' RPG 7D grenade launcher 24
Lens cloth 32
Lens cover
  Barrett special applications rifle 53
  Day- and night-vision binocular telescope 37
  Dragunov sniper's rifle 33
  Espionage camera 38
Lens-cover strap 37
Lens hood 36
Lens opening 38
Lens protector 37
Lens shade 18
Letter counter 50
Lever
  Crossbow 54
  Enigma cipher machine 51
  Espionage camera 38
  Fountain pen 13
  Grenade ("Mills Bomb") 42
  Heckler and Koch P9S pistol 55
Liberator pistol 11
Lid
  Belt order 58
  Cigarette lighter camera 38
  Dropping container 27
  Enigma cipher machine 51
  Flares 56
  Release switch 43
  SAS transceiver 49
  Suitcase radio (Type 3 Mk II) 11
  Survival kit 58
Lifting eye
  Biber submarine 22-23
  Klepper kayak 35
Lifting handle 28-29
Lifting loop 28
Light
  Belt order 58
  Document copy camera 40
  Guiding light 8
  High-Mobility Multipurpose Wheeled Vehicle 35
  UH-1 ("Huey") helicopter 34
Light bulb 51
Lighter fuel compartment 12
Limpet mine 18
Lip 50
Listening devices 36
Lock 51
Locking catch 24
Locking collar 39
Locking lever 39
Locking piece 44
Locking pin
  Heckler and Koch MP5A3 submachine-gun 44
  Mountain howitzer 29
Locking stud 53
Lockpick 38
Lockpick knife 38
Lock pin 53
Log speed indicator 22
Log tank 22
Loop
  Enigma cipher machine 51
  Push-pull switch 43
  SAS personal equipment 45
  Sleeve pistol 15
  SOE crossbow 11
Loop aerial 34
Loop attachment
  Crossbow 54
  Escape and survival 57
  SAS holster 44
  Telescopic cosh 14
Low-level photograph 7
Lug
  Barrett special applications rifle 52
  Colt commando carbine 54
  Heckler and Koch MP5A3 submachine-gun 44
  M16A1 assault rifle 20
  Sleeve pistol 15
LVTP 7 Amtrac 20-21

M

M1A1 carbine 24
M16A1 assault rifle 20-21
M60 machine-gun
  High Mobility Multipurpose Wheeled Vehicle 35
  UH-1 ("Huey") helicopter 34
M79 grenade launcher 52, 54-55
M203 grenade launcher 20-21
M-209-B cipher machine 50
Machine-gun
  Amphibious tractor 20-21
  High-Mobility Multipurpose Wheeled Vehicle 35
  Land Rover 16-17
  UH-1 ("Huey") helicopter 34
Machine-gun mount
  High-Mobility Multipurpose Wheeled Vehicle 35
  Paradroppable jeep 27
  UH-1 ("Huey") helicopter 34
Magazine
  Armalite survival rifle 59
  Heckler and Koch MP5A3 submachine-gun 44
  Ingram submachine-gun 19
  M16A1 assault rifle 21
  Parachutists' M1A1 carbine 24
  Snipers 32-33
  Special forces' weapons 53-55
  Taisho pistol 30
  Welrod silenced pistol 11
Magazine catch 11
Magazine floorplate
  Heckler and Koch P9S pistol 55
  Hi-standard silenced pistol 11
  Type 97 sniper's rifle 33
Magazine housing
  Ingram submachine-gun 19
  Lahti anti-tank rifle 31
  Special forces' weapons 53-55
Magazine pouch 44-45
Magazine release catch
  Arctic forces 30-31
  Hi-standard silenced pistol 11
  Snipers 33
  Special forces' weapons 53-55
Magnet
  "Clam" demolition charge 43
  Limpet mine 18
Magnetic "Clam" demolition charge 42-43
Magnetic compass mast 17
Magnetic pointer 13
Magnetized needle 13
Magnetized pen clip and nib 13
Maiale "human torpedo" 22-23
Main electrical switchboard 22
Main hull frame 22
Main parachute 24-25
Main rotor ammeter 22
Main rotor blade 35
Main rotor mast 34
Mains cable
  "Biscuit-tin" radio receiver 46
  Suitcase radio (Type A Mk III) 47
  Tape recorder and transceiver briefcase 41
Mains connection point 51
Mains connectors 46-47
Main steering wheel 22
Manufacturer's mark
  Climbing equipment 29
  Franchi special purpose automatic shotgun 53
  Hi-standard silenced pistol 11
  Knuckleduster knife 54
  Parachutists' knife 24
Maps
  Escape and survival 56
  Military intelligence 6
  Wartime secret agents 8-9, 12-13
Marines 20-21
Mark IV mountain howitzer 28
Marksman 32
Mask frame 37
Mast 17
Match
  Belt order 58
  Survival kit 59
  Wartime secret agents 13
MCR-1 receiver 46
Measuring chain 39
Medical kit 59
Message carrier 46
Messages 50
Mess tin 58
Meter 49
Meter cell 39
Meter switch
  Dropping container 27
  Suitcase radio (Type 3 Mk II) 11
MI6 38
Microphone
  Hand-held radio set 48
  Military surveillance 36
  S-phone transceiver 8
  Surveillance radio 48
  Tape recorder and transceiver briefcase 41
Middle lock pin 53
Midget submarine 22
Military communications 46-49, 50
Military intelligence 6-7
Military operations 30
Military surveillance 36-37
Military vehicles 34-35
Milliammeter 47
"Mills Bomb" 43
Minefield 7
Mines
  Aerial photographs 7
  Limpet 18
Miniature harpoons 58
Miniature light source 57
Miniature Minox camera and accessories 39
Miniature monocular 36
Mini-submarine 18
Minox camera and accessories 39
Mirror
  Disguise kit 40
  Minox camera and accessories 39
  Paradroppable jeep 27
Missions
  Covert amphibious forces 18
  Marines 20
  Special forces' weapons 52
  Wartime secret agents 8
Mittens
  Arctic clothing 31
  Sniper's camouflage 32
Mixing dish 40
Monocular 36, 57
Monopod 33
Morse alphabet 49
Morse coder 49
Morse key
  Dropping container 27
  SAS transceiver 49
  Suitcase radio (Type 3 Mk II) 11
  Suitcase radio (Type A Mk III) 47
Morse key cable 47
Morse key plug 47
Morse message 49
Morse signal adjuster 11
Morse/voice switch 27
Mortar 52
Motor 18
Motor compartment 23
Motorcycles 24, 26
Motor housing 23
Motor tachometer 20
Mould 41
Mountain forces 28-29
Mountain howitzer 28-29
Mountain warfare 28
Mounting board 38
Mounting bracket 24
Mounting rail 53
Mounting screw 52
Moustache 40
Moustache material 40
Mouth hole 45
Mouthpiece
  Hand-held radio set 48
  Pipe 13
  Pipe pistol 14
  Walkie-talkie 48
Mouthpiece/earpiece 57
Mudguard 26
Mule 28-29
Multi-purpose survival tool 57
Muzzle
  Franchi special purpose automatic shotgun 53
  Heckler and Koch P9S pistol 55
  Mountain howitzer 28
  Sleeve pistol 15
Muzzle brake
  Barrett special applications rifle 52
  Lahti anti-tank rifle 30

N

National emblem 10
National flag 56
Navigation aerial 35
Neck cover 32
Neck fastening 32
Needle 58
Negative holder 39
Negative viewer 39
Night-vision goggles 36-37
Noise limiter control 48-49
Normandy, France 6-7
Norwegian Arctic Unit 30
Nose fuse 24
Nose panel 34

O

Obstacles 7
Office of Strategic Services 8, 14
Oil bottle
  Parachutists' M1A1 carbine 24
  Sniper's camouflage (Gillie suit) 32
Oil can 50
Oil cooler 17
Oil gauge 20
One-man submarine 23
One-time pads 50
Operating instructions 41
Operation switch 41
OSS 8, 14
Ouistreham, France 6
Outboard motor 20
Outer cover 50
Outer skin 35
Outer tube 43
Overall 45
Overboot 30
Owen submachine-gun 55
Oxygen bottle 22
Oxygen cylinder 23

P

Pack
  Flares 56
  Parachutists' equipment 25
Packing material 41
Packing pad 27
Pack strap 25
Pad 37
Padding 47
Paddle
  Klepper kayak 35
  "Rigid Raider" 20
Paddle pocket 35
Paddle retainer 20
Paddle securing strap 35
Pain-relief tablets 59
Paint 42
Painter 35
Pallet knife 42
Panel
  Enigma cipher machine 51
  SAS personal equipment 45
Panel catch 51
Panel hinge 51
Panel hook 51
Panel retaining loop 51
Panel retaining screw 51
Pannier 16
Paper feed knob 50
Paper feed roller 50
Paper guard 50
Paper pressure arm 50
Paper tape 50
Parabellum round 44
Parachute bag 27
Parachute cable 26-27
Parachute harness attachment 26
Parachute lines 46
Parachute Regiment 25
Parachute release stand 27
Parachutes 24-27, 46
Parachutists 24-27
  Clothing 24
  Equipment 25
  Insignia 25
  Knife 24
  M1A1 Carbine 24
  RPG 7D grenade launcher and PG-7 grenade 24
Paradroppable jeep 26-27
Paradroppable motorcycle 26
Parka 31
Pedal 26
"Pencil" fuse 42-43
Penknife
  Escape and survival 57
  "Explosive coal" kit 42
Pen nib 13
Pentazocine tablets 59
Percussion cap 42-43
Percussion fuse 52
Periscope
  Amphibious tractor 21
  Biber submarine 23
  X-craft 22
Peskett close-combat weapon 52, 54
PG-7 rocket-propelled grenade 24
Photocopying machines 38
Photographs
  Military intelligence 6-7
  Military surveillance 36
Photo-surveillance briefcase 38
Pick 29
Pickaxe handle 17
Pigeon parachute 46
Pilot lamp 41
Pilot parachute 26
Pin 36
Pincer handle 57
"Pink Panther" Land Rover 16-17
Pintle 29
Pipe 13
Pipe pistol 14
Pistol
  Colt automatic 9
  Concealed weapons 14-15
  Heckler and Koch P9S 55
  Hi-standard silenced pistol 11
  Liberator 11
  SAS holster 44
  Sniper's camouflage (Gillie suit) 32
  Taisho 30
  Webley & Scott 14
  Welrod silenced 11
Pistol grip
  Heckler and Koch MP5A3 submachine-gun 44
  Lahti anti-tank rifle 31
  M16A1 assault rifle 21
  Parachutists' M1A1 carbine 24
  Prachutists' RPG 7D grenade launcher 24
  Snipers 33
  Special forces' weapons 53, 55
  Surveillance camera 36
  Wartime secret agents 11
Pistol-mounting bracket 14
Piston tube 31
Pitch-change horn 34
Pitot tube 34
Pivot
  Buckle compass 13
  Mountain howitzer 29
Placing rod 18
Plaited mantle 29
Plastic explosives 42
Platform chassis 27
Playing cards 12
Play switch 41
Pliers
  Multi-purpose survival tool 57
  Rectal toolkit 40
Plug
  Enigma cipher machine 51
  Sabotage 42-43
  S-phone transceiver 8
  Suitcase radio (Type 3 Mk II) 11
  Suitcase radio (Type A Mk III) 47
Plug cable 51
Plug listening device 36
Plug retaining bracket 51
Plug socket 51
Pneumatic tyre
  Folding motorcycle 26
  High-Mobility Multipurpose Wheeled Vehicle 35
  Land Rover 16
  Mountain howitzer 28
  Paradroppable jeep 27
Pocket
  Camouflage jumpsuit 9
  Parachutists' clothing 24-25
  SAS personal equipment 45
  Sniper's camouflage (Gillie suit) 32

Pocket control unit 39
Pommel 21
Portable photocopying machines 38
Portable satellite communications terminal 48
Portuguese Marine Corps 21
Positioning clip 38
Position light 34
Positive terminal 36, 43
Postcards 6
Potassium permanganate 58
Pouch
  Belt order 58
  Emergency kit 56
  Hand-held radio set 48
  Paradroppable motorcycle 26
Power cable 40
Power input 27
Power pack
  "Biscuit-tin" radio receiver 46
  S-phone transceiver 8
  Suitcase radio (Type 3 Mk II) 11
Power supply 48
Pressure arm rod 43
Pressure spring 44
Pressure switch 43
Priming bellows 20
Prismatic compass 32
Prismatic sight 52
Projector binnacle 23
Projector compass binnacle 22
Propellant container 52
Propelling pencil pistol 15
Propeller
  Biber submarine 23
  Maiale "human torpedo" 23
  "Rigid Raider" 20
Protective rubber shield 19
Psychological warfare 44
Pull cord 43
Pulley 49
Pull ring 43
Pull switch 43
Pump-action reloading 53
Pump-action shotguns 52
Push-pull plate 43
Push-pull switch 43

Q

Quadrant sight 21
Quartz crystal plate
  Suitcase radio (Type 3 Mk II) 11
  Suitcase radio (Type A Mk III) 47
Quilted jacket 30
Quilted trousers 31

R

Radio
  Encoding and decoding 50
  Military communications 46-49
Radio compartment 34
Radionarf lens 38
Radio retainer 48
Radium-impregnated paint 8
Railway line 7
Rainshield 52
Rammer 28
Ramp hinge 21
Range adjustment dial 33
Range drum 28
Ratchet 11
Razor blade 59
Razor blade holder 59
Reading window 50
Reamer bit 40
Rear body 23
Rear brake pedal 26
Rear carriage trail 29
Rear grip 24
Rear gunner's seat 17
Rear jack handle 26
Rear sight
  Heckler and Koch MP5A3 submachine-gun 44
  Ingram submachine-gun 19
  Lahti anti-tank rifle 31
  Paratrutists' M1A1 carbine 24
  Snipers 33
  Special forces' weapons 53-55
  Taisho pistol 30
  Wartime secret agents 11
Rear sling fitting 24, 44, 55
Receiver
  Armalite survival rifle 59
  "Biscuit-tin" radio receiver 46
  Crossbow 54
  Ingram submachine-gun 19
Receiver cable 49
Receiver case 41
Receiver pin 19
Receiver selection switch 41
Receiver switch 56
Receiving dish 48
Recoil pad
  Barrett special applications rifle 53
  Lahti anti-tank rifle 31
  M79 grenade launcher 54
Recoil spring
  Belt pistol 14
  Heckler and Koch MP5A3 submachine-gun 44
Reconnaissance
  Covert amphibious forces 18
  Desert forces16
Reconnaissance aircraft 6
Recorder adaptor 41
Record switch 41
Rectal toolkit 40
Reel 49
Reflector
  Minox camera and accessories 39
  High-Mobility Multipurpose Wheeled Vehicle 35
  Paradroppable jeep 26
Refuelling pipe 23
Regimental number 28
Release 15
Release button
  Parachutists' equipment 25
  Silenced Sten submachine-gun 53
Release catch
  Enigma cipher machine 51
  Heckler and Koch MP5A3 submachine-gun 44
  Parachutists' knife 24
  Special forces' weapons 53-55
Release handle 25
Release pin 43
Release rope 25
Release switch
  Explosive switches 43
  M79 grenade launcher 54
Remote controls 22
Remote firing cable 15
Remote sear release 14
Remote shutter release cable 39
Removable handlebar 26
Resetting button 50
Resetting knob 50
Resistance groups 8
Respirator 45
Retaining clip 43
Retaining cord 19
Retaining ear 43
Retaining flap 44
Retaining mechanism 54
Retaining ring 19
Retaining screw
  Enigma cipher machine 51
  Waterproof torch 18
Retaining screw fitting 51
Retractable dagger 54
Retractable garrotte 54
Rewind switch 41
Rifle
  Armalite survival rifle 59
  Barrett special applications rifle 52-53
  Lahti anti-tank rifle 31
  Land Rover 17
  M16A1 assault rifle 20-21
  Snipers 32-33
Rifle carrier 25
Rifle holster 47
Rifle pull-through 32
Rifle sling 32
Rifle trigger 20
"Rigid Raider" 20
Ring
  Cigarette lighter 12
  Colt commando carbine 55
  Explosive switches 43
  Grenade ("Mills Bomb") 42
  Peskett close-combat weapon 54
  Saboteur's knife 9
  Waterproof torch 18
Ring dagger 10
Ring mount 35
Ring revolver 14
River Orne 6
Robot Star II surveillance camera 38
Rocket exhaust vent 24
Rocket-propelled grenade 24
Rocket-propelled grenade launcher 24
Rocking bar sight 28
Rod aerial 27
Rope 29
Ross sniper's rifle 32-33
Rotary rear sight 44
Rotor ammeter 22
Rotor cylinder 51
Rotor head 34
Rotor slit 51
Royal Canadian Navy clearance diver 23
Royal Marines 30
Royal Marines'
  Arctic clothing 30
  Arctic footwear 30
  Insignia 21
  Ski equipment 31
Royal Netherlands Marine Corps 21
  Arctic Unit 30
RPG 7D rocket-propelled grenade launcher 24
Rubber-dot grips 31
Rubber tip 39
Rudder 23
Rudder controls 23
Rudder operating rod 23
Rudder shaft 22
Rung 29

S

Sabotage 42-43
  Covert amphibious forces 18
  Desert forces 16
Saboteurs 42
Saboteur's knife 9
Saddle 26
Saddle release 26
Safety bolt 43
Safety cap 43
Safety catch
  Heckler and Koch MP5A3 submachine-gun 44
  Ingram submachine-gun 19
  M16A1 assault rifle 21
  Special forces' weapons 53-55
  Wartime secret agents 11
Safety lever
  Armalite survival rifle 59
  Lahti anti-tank rifle 31
Safety mechanism 15
Safety-pin
  Medical kit 59
  Sabotage 42-43
  Time-delay fuse 19
  Tree spigot mortar 52
Safety-pin attachment 48
Safety-pin clip 43
Safety ring 10
Safety sheath 59
Safety strip 42
Safety strip hole 43
Safety switch
  Heckler and Koch PSG1 sniper's rifle 33
  Taisho pistol 30
Sand channel 16
SARBE 56-57
SAS 16-17, 44-45
SAS transceiver 49
Satchel 27
Satellite communications terminal 48
Saw
  Hairbrush items 13
  Survival kit 58
Saw-blade bits 40
Saw blades 57
Scabbard 14
Scale 16
Scalpel blades 58
Screwdriver
  Cipher machine (M-209-B) 50
  Multi-purpose survival tool 57
  Suitcase radio (Type A Mk III) 47
Screw gate 29
Sear
  Belt pistol 14
  Crossbow 54
  Heckler and Koch MP5A3 submachine-gun 44
Search and rescue beacon 56-57
Searchlight 21
Seat
  Paradroppable jeep 26
  "Sleeping Beauty" 18
Seatbelt 35
Seating 35
Seat roller 20
Secateurs 32
Secondary steering wheel 22
Secret agents 8-13, 46
Secret documents 6
Secret message 13
Secret services' surveillance radio 48
Securing bar 50
Securing collar 18
Securing device 36
Securing lock 25
Securing ring
  Maiale "human torpedo" 23
  Mountain howitzer 28
Securing screw
  Release switch 43
  Walkie-talkie 48
Security seal 40
Selector switch
  Ingram submachine-gun 19
  Owen submachine-gun 55
  SAS transceiver 49
  Silenced Sten submachine-gun 53
Self bailer 20
Sensitivity switch 46
Serrated saw 13
Servicing cover 23
Servicing hatch 23
Servicing lug 23
Setting knob 50
Setting stud 43
Sewing kit 59
Shackle 28
Shadow marker 16
Sharpening stone 59
Shaving brush with concealed compartment 12
Shield 28-29
Shield cowl 52
Ships 18
Ship-to-shore landings 20
Shock absorber 27
Shooting knife 54
Short ski 31
Shotgun 52-53
Shoulder butt 37
Shoulder harness 25
Shoulder holster 9
Shoulder pad 32
Shoulder stock
  SOE crossbow 11
  Surveillance camera 36
Shoulder strap
  Parachutists' clothing 24
  SAS personal equipment 45
Shoulder strap fitting 36
Shovel 17
Shutter release 38-39
Shutter release cable 39
Shutter release lever 38
Shutter speed dial 38-39
Side-cargo release mechanism 22
Side marker light 35
Sight
  Mountain howitzer 28
  Parachutists' grenade launcher 24
  Snipers 33
  Special forces' weapons 52-55
Sight mounting catch 33
Signalling box 48
Silenced pistol 11
Silencer
  Parachutists 26-27
  Silenced Sten submachine-gun 52
  Wartime secret agents 10-11
Silencer tube 15
Simrad binocular telescope 37
Single-shot pistol 15
Single-shot position 44
Single-shot weapon 14
Skeleton butt 24, 53
Ski bipod 31
Ski equipment 31
Ski marching boot 30
Ski poles 31
Ski ring 31
Skis 30-31
Ski skins 31
"Sleeping Beauty" 18-19
Sleeve
  Pressure switch 43
  Search and rescue beacon 57
  Tree spigot mortar 52
Sleeve pistol 15
Slide
  Belt pistol 14
  Colt automatic pistol 9
  Heckler and Koch P9S pistol 55
  Hi-standard silenced pistol 11
Slide catch 11
Sliding stock rail 19
Sling 32-33
Sling bar 33
Sling eye bolt 44
Sling fitting
  Heckler and Koch MP5A3 submachine-gun 44
  M16A1 assault rifle 20
  Parachutists' M1A1 carbine 24
  Special forces' weapons 52-55
Sling loop 33
Sling swivel 32-33
Slipper 28-29
Slip ring
  Colt commando carbine 55
  M16A1 assault rifle 21
Smoke-grenade discharger
  Amphibious tractor 20-21
  Land Rover 16-17
Smoke passage 13
Snare wire 58
Snipers 32-33
Sniper's camouflage (Gillie suit) 32
Sniper's rifles 32-33
Snow-blindness 30
Snow-camouflage clothing 30-31
Sock 30
Socket
  Enigma cipher machine 51
  Limpet mine 18
  Mountain howitzer 29
  Tape-recorder and transceiver briefcase 41
Socket cover 49
Socket panel 51
SOE 8, 14
Soldiers 56
Solid fuel stove 58
Soviet Union's KGB 38
Space key 49
Spade 21
Spare bulb holder 51
Spare double plug 51
Spare flint compartment 12
Spare lens 36
Spare light bulbs 51
Spares box 47
Spare wheel 17
Speaker
  Hand-held radio set 48
  Surveillance radio 48
  Tape-recorder and transceiver briefcase 41
Special Air Service 16, 44-45
Special applications rifle 52
Special Boat Service 34
Special forces 46
  Badge 10
Special forces' weapons 52-55
  Belt pistol 14
Special military vehicles 34-35
Special Operations Executive 8, 14-15
Special purpose automatic shotgun 53
Special silenced Sten submachine-gun 53
S-phone transceiver 8
Spigot 52
Spigot sleeve 52
Spike
  Knuckleduster knife 54
  Parachutists' knife 24
Spine-pad pouch 9
Spirit level 16
Splashproof lamp 22
Split ring 42
Spoke 26
Spool-to-spool recorder 41
Spotlight 16-17
Spray deck 35
Spray deck clamp 35
Spring
  Franchi special purpose automatic shotgun 53
  Heckler and Koch MP5A3 submachine-gun 44
  Land Rover 16
  Limpet mine 18
  Sabotage 42-43
  Telescopic cosh 15
  Time-delay fuse 19
Spring clip 25
Spring fastener 25
Spring fittings 31
Spring-loaded bolt 15
Spring-loaded firing pin 57
Spring-loaded telescopic cosh 14-15
Spring snout 43
Squeeze trigger 39
Stabilizer bar 34
Stabilizing fin 24
Stainless-steel cord 29
Stand base 40
Static line 25, 26
Steering cable 20
Steering console 20
Steering controls 23
Steering wheel
  Paradroppable jeep 27
  "Rigid Raider" 20
  X-craft 22
Sten gun carrier 26
Sten submachine-gun 52-53
Stern
  Klepper kayak 35
  "Rigid Raider" 20
  "Sleeping Beauty" 18
Sticks 42
"Stinger" 14
Stock
  Crossbow 54
  Ingram submachine-gun 19
  Paratrutists' M1A1 carbine 24
  Snipers 33
Stock release stud 19
Stopper 13
Stop ring 28
Storage box 40
Storage compartment 18
Storage container 23
Stowage packet 26
Stowage space 20
Straight-pull bolt 33
Strake 20
Strap
  Breathing apparatus 23
  Camouflage jumpsuit 9
  Climbing equipment 29
  Ingram submachine-gun 19
  Military communications 46, 48-49
  Monocular 37
  Parachutists' clothing and equipment 24-25
  Peskett close-combat weapon 54
  Photo-surveillance briefcase 38
  SAS personal equipment 45
  Shoulder holster with pistol 9
Strap fittings 31
Striker
  Cigarette lighter 12
  Sabotage 42-43
  Survival kit 58
Striker assembly 43
Striker chamber 42
Striker head 42-43
Striker pin 43
Striking end 15
String pull 8
Strobe light 58
Stud 52
Stud fastener 44-45
Stun grenade 44
Subaqua forces 22-23
Subaqua forces' insignia 23
Submachine-gun
  Heckler and Koch MP5A3 44
  Ingram 19
  Special forces' weapons 52-53, 55
Submarines 22-23
Submersible craft 18-19, 22
Suez Crisis 56
Suitcase radio 46
  Type 3 Mk II 11
  Type A Mk III 47
Sulphacetamide ointment 59
Sun compass 16-17
Supply lines 42
Support bar 37
Support column 40
Supporting cradle 27
Suppressor
  Ingram submachine-gun 19
  Silenced Sten submachine-gun 52
  Wartime secret agents 10-11
Suppressor end-cap 10
Surname 10
Surveillance 36-37
Surveillance camera 36, 38-39
Surveillance radio 48
Survival 56-59
Survival aids 56
Survival blanket 58
Survival kit 56, 58-59
Survival knife 59
Survival rifle 59
Suspension damper 21
Swash plate 34
Switch
  Guiding lights 8
  Ingram submachine-gun 19
  M79 grenade launcher 54
  Military communications 46-49
  Military surveillance 37
  Owen submachine-gun 55
  Sabotage 42
  Search and rescue beacon 56-57
  Suitcase radio (Type 3 Mk II) 11
  Tape-recorder and transceiver briefcase 41
  Waterproof torch 18
Switchboard 22
Swivel fitting 48
"Sword" beach 6-7
Synchronization lever 39
Synchronized elevator 35

T

Tail 52
Tail-board 16
Tail boom 35
Tail fin 23
Tail rotor 35
Tail rotor gearbox 35
Tail skid 35
Taisho 14 automatic pistol 30
Talcum powder 41
Tape 43
Tape-recorder and transceiver briefcase 41
Telegraph reception
"Biscuit-tin" radio receiver 46
Suitcase radio (Type A Mk III) 47
Telephoto lens 36
Telescope
Military surveillance 36-37
Sniper's camouflage (Gillie suit) 32
Telescopic arm 40
Telescopic cosh 14-15
Telescopic leg 39
Telescopic sight
Barrett special applications rifle 53
Parachutists' grenade launcher 24
Snipers 32-33
Tension spring 43
Tension-spring anchor 43
Tent 16
Terminal
Push-pull switch 43
Suitcase radio (Type A Mk III) 47
Terrorism 44
Terrorists 52
Theodolite case 16
Theodolite tripod 17
Thermal underpants 30
Thermal underwear 30
Thermal vest 30
Thermometer 39
Thimble 41
Thimble holder 41
Threaded muzzle 53
Throttle 26
Throttle cable 26
Thrust dagger 10
Thrust knife 15
Thumb grip 14
Thumb knife 10
Thumb lever 39
Thumb trigger 14
Tie
Klepper kayak 35
Shaving brush 12
Tilt handle 20
Time calibration scale 16
Time-delay fuses 19, 42-43
Tin 58
Tin opener/bottle opener 57
Toecap 45
Tone control 41
Toolbag 26
Top 12
Top cover 33
Torch 18
Torpedo 22-23
Torpedo bar lifting 23
Torpedo guide bar 23
Torpedo release mechanism 23
Torsion bar 21
Towing eye
Biber submarine 22
Mountain howitzer 29
Transceiver 49
Search and rescue beacon 56-57
SOE 8
Transfer handle 49
Transfer head 49
Transformer 41
Transistor beacon 56
Transmissions 50
Transmission switch
Search and rescue beacon 56
Suitcase radio (Type A Mk III) 47
Transmit/receive switch 49
Transmitter
Military surveillance 36
SAS transceiver 49
Tape-recorder and transceiver briefcase 41
Transmitter/receiver cable 49
Transmitter tuning knobs 47
Transmitting/receiving aerial 48
Transmitting/receiving dish 48
Transom 20
Travel case 40
Traversing handle 28
Tree spigot mortar 52
Trigger
Armalite survival rifle 59
Concealed weapons 14-15
Ingram submachine-gun 19
Lahti anti-tank rifle 31
M16A1 assault rifle and M203 grenade launcher 21
Parachutists 24
Shoulder holster with pistol 9
Snipers 33
Special forces' weapons 53-55
Surveillance camera 39
Taisho pistol 30
Wartime secret agents 9, 11
Trigger bar 14-15
Trigger guard
Arctic forces 30-31
Armalite survival rifle 59
Belt pistol 14
Heckler and Koch MP5A3 submachine-gun 44
Ingram submachine-gun 19
M16A1 assault rifle 20
Parachutists 24
Snipers 33
Special forces' weapons 53-55
Wartime secret agents 11
Trimming scissors 40
Trim pumps 22
Trim tank
Maiale "human torpedo" 23
"Sleeping Beauty" 19
Tripod 39
Trip wire hole 43
Tritium gas 57
Troops
Encoding and decoding 50
Escape and survival 56
Military intelligence 6
Parachutists 24
Trousers
Parachutists' clothing 24
Sniper's camouflage (Gillie suit) 32
Tubular magazine 53
Tuner 46-47
Tuning button 48
Tuning coil 11
Tuning knob
Dropping container 27
Suitcase radio (Type A Mk III) 47
Turbine exhaust 21
Turpentine 42
Turret 21
Turret hatch 21
Tweezer retaining clip 50
Tweezers 50
Twin Vickers machine-gun 27
Type 3 Mk II suitcase radio 11
Type 97 sniper's rifle 32-33
Type A Mk III suitcase radio 47
Tyre
Amphibious tractor 21
High-Mobility Multipurpose Wheeled Vehicle 35
Land Rover 16
Mountain howitzer 28
Parachutists 26-27
Tyre-bead breaker 17
Tyre-bead breaker socket 17

U

UH-1 ("Huey") helicopter 34-35
UHF radio 16
Underpants 30
Underwater breathing apparatus 22-23
Underwater naval operations 22
Underwater obstacles 6
Underwear 30
Universal joint 52
US
Army marking 48
Central Intelligence Agency 38
Marine Corps' insignia 21
National flag 57
Office of Naval Intelligence 15

V

Valve 11
Vehicle chassis 27
Vehicles
Covert amphibious forces 18-19
Desert forces 16-17
Parachutists 24, 26-27
Marines 20-21
Special military vehicles 34-35
Subaqua forces 22-23
Velcro
Arctic clothing 31
SAS personal equipment 45
Ventilation slot 33
Vertical fin 35
Vest 30
VHF aerial radio 16-17
VHF/UHF aerial 34
Vibrator socket 47
Vickers machine-gun 27
Vietnam War 34
Viewer 39
Viewer body 37
Viewfinder 39
Viewfinder openings 38
Viewing aperture 52
Viewing attachment 39
Viewing port 38
Viewing window 51
Vision block 21
Visual surveillance equipment 36
Voltage selector 47
Volume control
SAS transceiver 49
Suitcase radio (Type 3 Mk II) 11
Suitcase radio (Type A Mk III) 47
Tape-recorder and transceiver briefcase 41
Volume gain-control switch 27

W

Wadding 19
Waist belt
Belt pistol 14
SAS holster 44
Waist belt attachment 39
Waist bracket 14
Waist tie 9
Walkie-talkies 46, 48
Warhead
Parachutists' grenade 24
Subaqua forces 22-23
Wartime secret agents 8-13
Washer 19, 43
Water bottle 58
Water bottle carrier 25
Water can 17
Waterproof container 58
Waterproof mittens 31
Waterproof parka 31
Waterproof torch 18
Waterproof trousers 31
Water-purification bag 59
Water-purification tablets 58-59
Water tank 22
Waveband selector 11
Weapons
Arctic forces 30-31
Concealed weapons 14-15
Counter-revolutionary units 44
Mountain forces 28-29
Parachutists 24, 27
Snipers 32-33
Special forces' weapons 52-55
Wartime secret agents 8-9, 10-11
Webley & Scott pistol 14
Weight 34
Weighted striking end 15
Welbike 26
Welrod silenced pistol 10-11
Wet-and-dry chamber 22
Wheel
Amphibious tractor 21
Mountain howitzer 28
Paradroppable jeep 27
Wheel lock 28
Wheel release handle 28
Wheels and axle 29
Whistle 30
Wick 12
Windage adjustment dial 33
Windage adjustment screw
M16A1 assault rifle 21
M79 grenade launcher 55
Winding handle 49
Winding knob
Photo-surveillance briefcase 38
Surveillance camera 39
Windlass handle 11
Window
Cipher machine (M-209-B) 50
Enigma cipher machine 51
UH-1 ("Huey") helicopter 34
Windscreen 34
Wing mirror
High-Mobility Multipurpose Wheeled Vehicle 35
Paradroppable jeep 27
Wing nut 11
Wire 52
Wirecutters
Escape and survival 57
Rectal toolkit 40
Wire-framed hood 31
Wireless 27
Wire saw 56, 58
Wood 7
World War II
Concealed weapons 14
Covert amphibious forces 18
Encoding and decoding 50
Military communications 46
Military intelligence 6
Parachutists 24
Special forces' weapons 52
Subaqua forces 22
Wartime secret agents 8
Wrist band 31
Wrist camera 39

XYZ

X-craft midget submarine 22
Zip 9

Acknowledgments

Dorling Kindersley would like to thank:
Diana Condell, M.J.R. Allen, M.G. Hibberd, Martin Garnett, and the staff and Trustees of the Imperial War Museum, London; Andrew Cormack and the Royal Air Force Museum, Hendon, London; mountain howitzer by courtesy of the Royal Artillery Historical Trust, London; Lieutenant Commander W.M. Thornton MBE RD RNR; MOD Pattern Room, Nottingham for the firearms on pages 11, 14tmr, 15bmr, 19, 21, 24, 31, 33, 44b, 53t, 53b, 54mr, 55, 59, and the Assistant Custodian for his assistance; the Royal Marines Museum, Portsmouth; Lieutenant Commander D.G. Johnston, Royal Navy, the Inspector of Marine Craft and Engines for the Royal Marines; Stephen Brooks, D-Day Museum and Overlord Embroidery, Portsmouth; the Royal Navy Submarine Museum, Gosport, Hampshire; Life Support Engineering Ltd, Sussex; Simrad Optronics Ltd, Sussex; QMSI Kirkwood, Sniper Division, School of Infantry, Warminster; the Royal Signals Museum, Blandford Camp, Dorset; John Wiseman, School of Survival, Hereford; the Airborne Forces Museum, Aldershot; Steve Wright, Kent; Denis Lassus, Paris; H. Keith Melton, Bossier City, Louisiana; Louisiana Army National Guard, Louisiana
(b=bottom, m=middle, r=right, t=top)

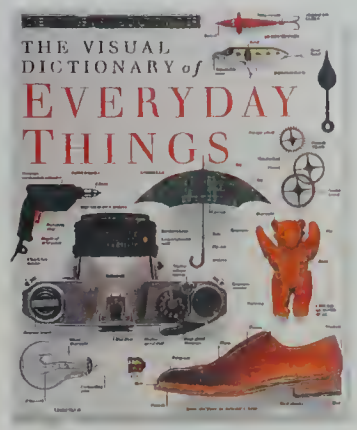
Additional editorial assistance:
Fiona Courtenay-Thompson; Danièle Guitton

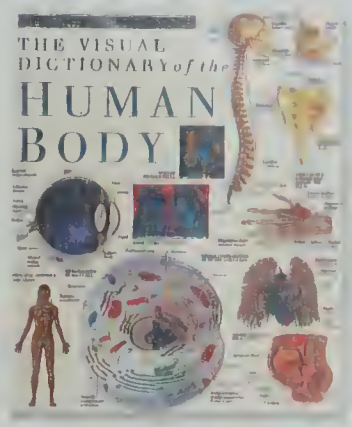
Additional photography:
Steve Gorton; Andy Crawford; Andrew Shennan; Martin Cameron

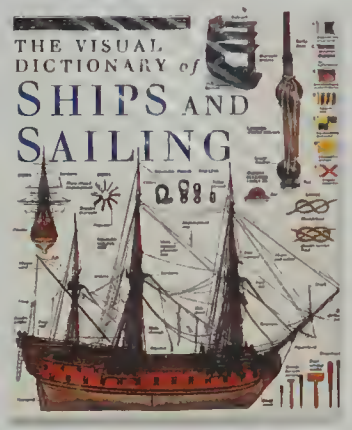
Index:
Jane Parker

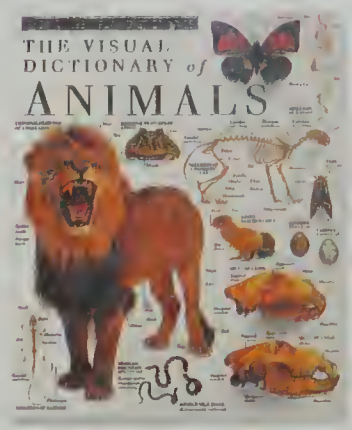
EYEWITNESS VISUAL DICTIONARIES

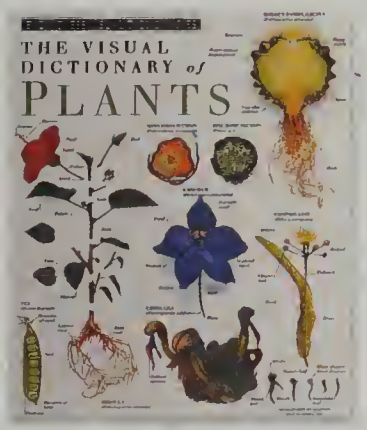
A SERIES TO COLLECT

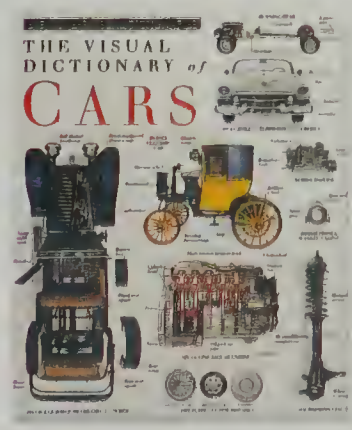


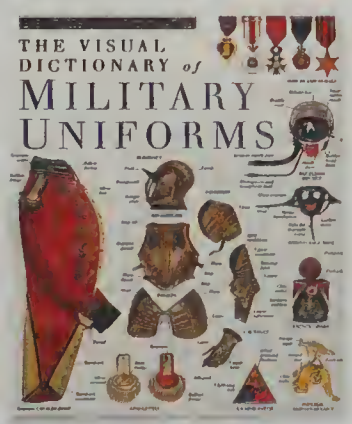


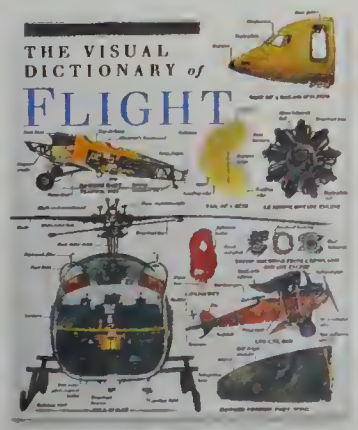


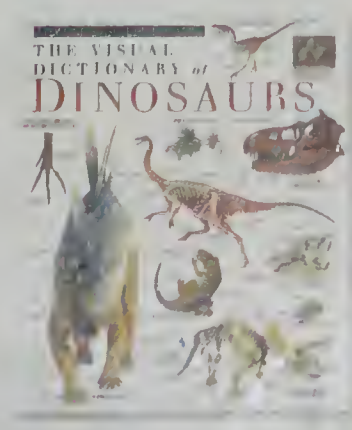




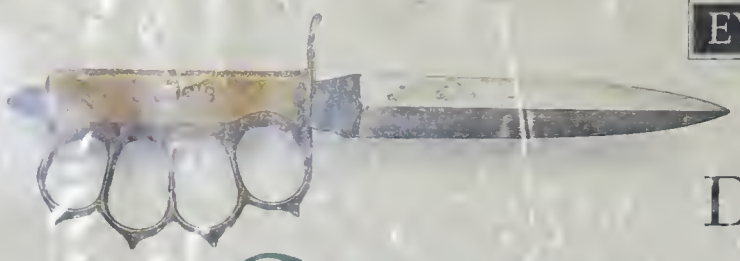








EYEWITNESS VISUAL DICTIONARIES



THE VISUAL DICTIONARY *of* SPECIAL MILITARY FORCES

Come and explore SPECIAL MILITARY FORCES from the inside out! This visual dictionary looks at the specialized equipment used by marines, parachutists, Arctic and desert forces, special agents, saboteurs, and much more.

Open these pages and find:

Over 200 outstanding, original photographs and graphic illustrations that reveal even the tiniest details of specialist military equipment.

•

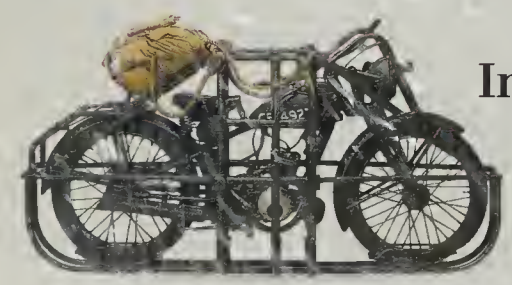
A fascinating new kind of dictionary that can be used by the entire family.

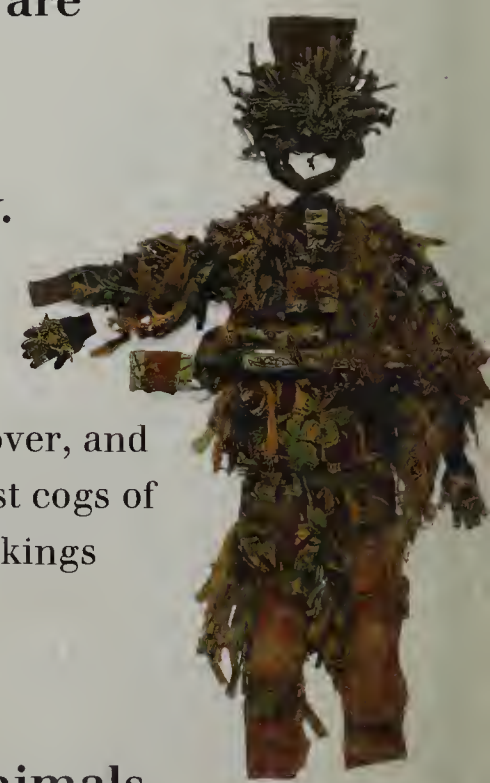
•

Concise text and carefully researched definitions that are user-friendly for people of all ages.

•

Instant access to a 3,000 word specialist vocabulary.





EYEWITNESS VISUAL DICTIONARIES

are the ultimate finder's guides to the naming of the parts. See, learn, discover, and identify all the parts of all the things in the world about you. From the tiniest cogs of machines to the smallest cells of living creatures, the most intricate workings of everything are revealed and labelled in full-colour clarity.

OTHER TITLES IN THIS SERIES:

Everyday Things • Human Body • Ships and Sailing • Animals
Plants • Cars • Military Uniforms • Buildings • Flight • Dinosaurs

ISBN 0-7513-1013-1

9 780751 310139 >

DORLING KINDERSLEY